

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120519\
 Data File : VN059500.D
 Acq On : 5 Dec 2019 15:10
 Operator : JC/SP
 Sample : VN1205WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

Quant Time: Dec 06 00:33:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	296928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	473153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	430880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	195205	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	202738	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
35) Dibromofluoromethane	7.57	113	152465	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	10.08	98	598294	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.40	95	208185	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	62089	18.791	ug/l	99
3) Chloromethane	2.04	50	87874	19.842	ug/l	98
4) Vinyl Chloride	2.17	62	82364	30.993	ug/l	98
5) Bromomethane	2.55	94	26649	16.501	ug/l	95
6) Chloroethane	2.68	64	30957	19.731	ug/l	99
7) Trichlorofluoromethane	3.00	101	65459	20.396	ug/l	100
8) Diethyl Ether	3.39	74	39249	18.770	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	61198	19.424	ug/l	98
10) Methyl Iodide	3.93	142	71332	17.881	ug/l	97
11) Tert butyl alcohol	4.76	59	71174	102.397	ug/l	98
12) 1,1-Dichloroethene	3.71	96	57717	18.741	ug/l	97
13) Acrolein	3.58	56	68835	114.108	ug/l	97
14) Allyl chloride	4.29	41	115904	19.107	ug/l	97
15) Acrylonitrile	4.95	53	183375	97.516	ug/l	99
16) Acetone	3.79	43	162250	75.126	ug/l	99
17) Carbon Disulfide	4.03	76	184949	17.600	ug/l	99
18) Methyl Acetate	4.30	43	92928	18.715	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	203597	19.397	ug/l	98
20) Methylene Chloride	4.52	84	71231	19.777	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	64709	18.778	ug/l	99
22) Diisopropyl ether	5.92	45	226350	20.048	ug/l	96
23) Vinyl Acetate	5.87	43	942177	103.998	ug/l	99
24) 1,1-Dichloroethane	5.82	63	128036	19.963	ug/l	99
25) 2-Butanone	6.81	43	249429	88.965	ug/l	99
26) 2,2-Dichloropropane	6.80	77	108274	19.518	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	73635	19.240	ug/l	100
28) Bromochloromethane	7.17	49	52194	21.243	ug/l	96
29) Tetrahydrofuran	7.19	42	168270	95.450	ug/l	99
30) Chloroform	7.35	83	122658	19.807	ug/l	100
31) Cyclohexane	7.63	56	118000	18.988	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	106665	19.817	ug/l	98
36) 1,1-Dichloropropene	7.77	75	92873	18.862	ug/l	99
37) Ethyl Acetate	6.91	43	102770	18.686	ug/l	99
38) Carbon Tetrachloride	7.75	117	93836	19.815	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	108931	18.384	ug/l	97
40) Benzene	8.02	78	276650	19.187	ug/l	97
41) Methacrylonitrile	7.19	41	152063	68.220	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	100283	20.475	ug/l	99
43) Isopropyl Acetate	8.15	43	163044	19.932	ug/l	98
44) Trichloroethene	8.82	130	71642	19.014	ug/l	97
45) 1,2-Dichloropropane	9.10	63	74664	19.383	ug/l	98
46) Dibromomethane	9.19	93	47135	19.654	ug/l	98
47) Bromodichloromethane	9.39	83	94622	19.677	ug/l	99
48) Methyl methacrylate	9.18	41	71013	19.242	ug/l	97
49) 1,4-Dioxane	9.19	88	24139	432.264	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	495271	102.000	ug/l	97
52) Toluene	10.15	92	168982	19.378	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	106216	18.771	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	116098	19.357	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	67775	19.716	ug/l	98
56) Ethyl methacrylate	10.42	69	94922	18.013	ug/l	94
57) 1,3-Dichloropropane	10.70	76	116975	19.677	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154906	92.258	ug/l	100
59) 2-Hexanone	10.74	43	357340	97.789	ug/l	97
60) Dibromochloromethane	10.90	129	70322	19.159	ug/l	99
61) 1,2-Dibromoethane	11.00	107	68529	19.293	ug/l	99
64) Tetrachloroethene	10.62	164	64541	17.609	ug/l	97
65) Chlorobenzene	11.43	112	177597	18.854	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	66111	19.533	ug/l	99
67) Ethyl Benzene	11.51	91	313562	19.000	ug/l	99
68) m/p-Xylenes	11.62	106	236132	38.426	ug/l	99
69) o-Xylene	11.95	106	112162	19.172	ug/l	100
70) Styrene	11.96	104	172552	18.476	ug/l	99
71) Bromoform	12.13	173	49548	18.781	ug/l #	98
73) Isopropylbenzene	12.25	105	299654	19.141	ug/l	100
74) N-amyl acetate	12.07	43	118307	18.762	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	100633	20.040	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	131699	27.134	ug/l #	100
77) Bromobenzene	12.53	156	73168	18.703	ug/l	99
78) n-propylbenzene	12.59	91	345696	18.976	ug/l	99
79) 2-Chlorotoluene	12.67	91	206392	18.793	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	252913	19.332	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34093	18.434	ug/l	94
82) 4-Chlorotoluene	12.77	91	208209	18.376	ug/l	99
83) tert-Butylbenzene	12.99	119	213886	18.831	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	246550	19.284	ug/l	100
85) sec-Butylbenzene	13.17	105	288031	19.134	ug/l	100
86) p-Isopropyltoluene	13.29	119	248710	18.437	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	124945	18.115	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	124840	17.947	ug/l	99
89) n-Butylbenzene	13.62	91	211911	17.534	ug/l	99
90) Hexachloroethane	13.88	117	49239	18.925	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	125140	18.926	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20938	20.140	ug/l	92

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Quant Time: Dec 06 00:33:21 2019
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Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration

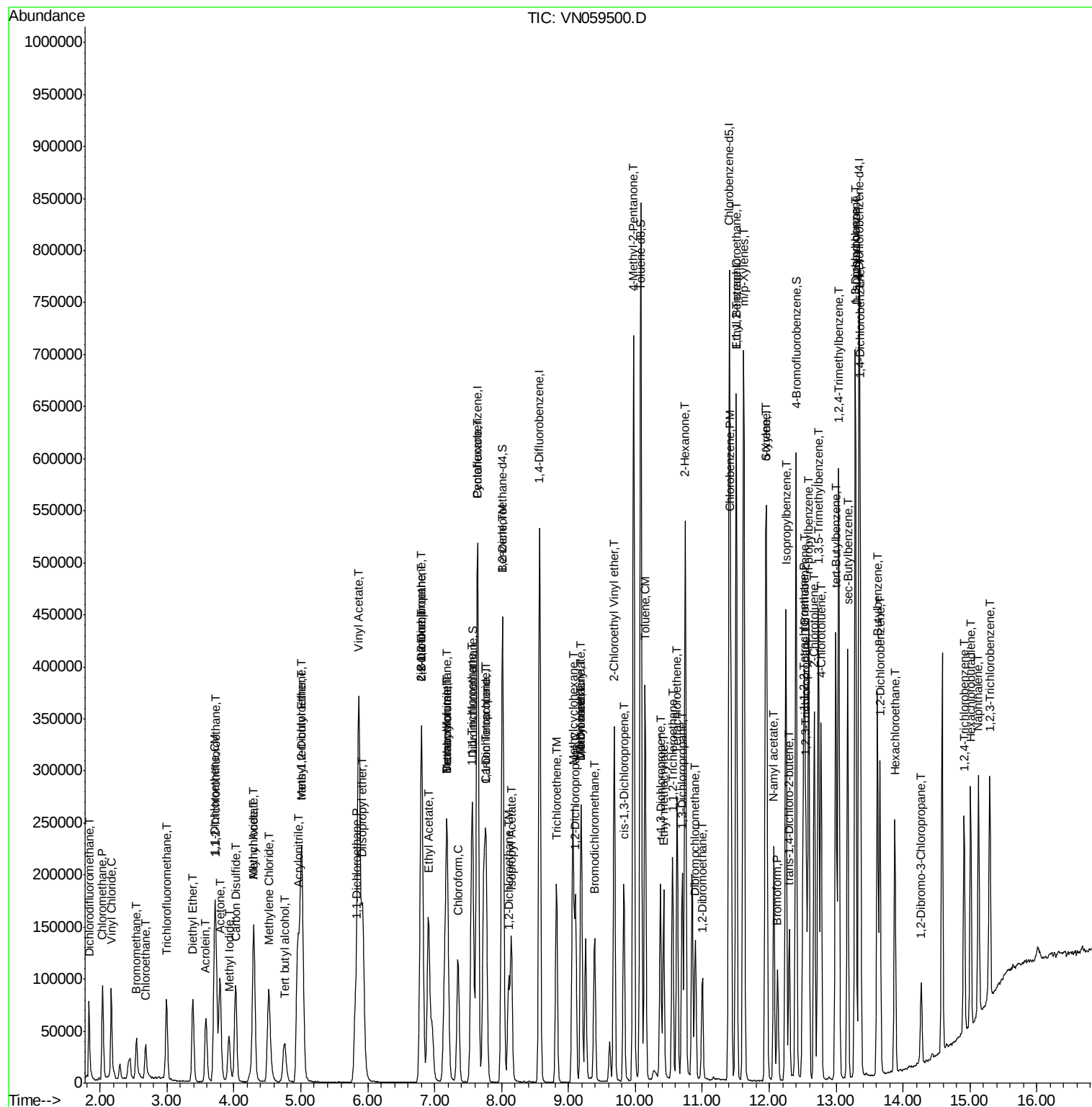
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66582	16.494	ug/l	99
94) Hexachlorobutadiene	15.01	225	43263	18.059	ug/l	98
95) Naphthalene	15.13	128	182993	18.083	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	68315	18.150	ug/l	98

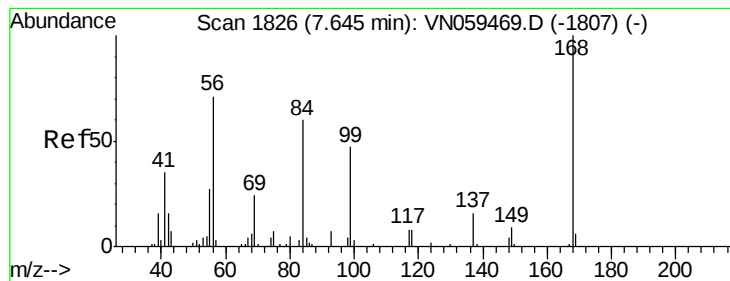
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 Data File : VN059500.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

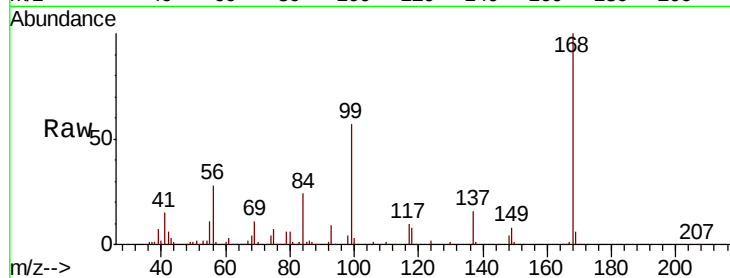
VN1205WBSD01

Tot Ion:168 Resp: 296928

Ion Ratio Lower Upper

168 100

99 56.6 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

150000

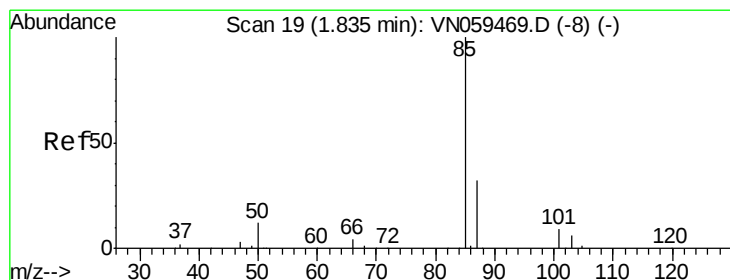
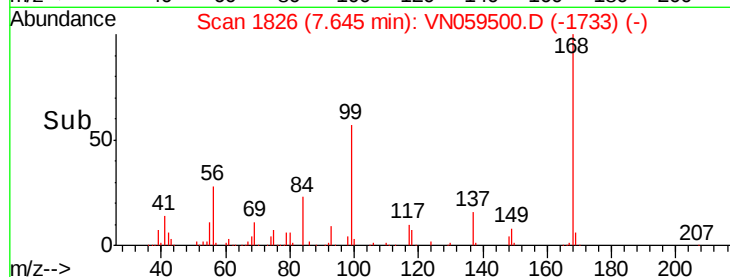
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.791 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059500.D

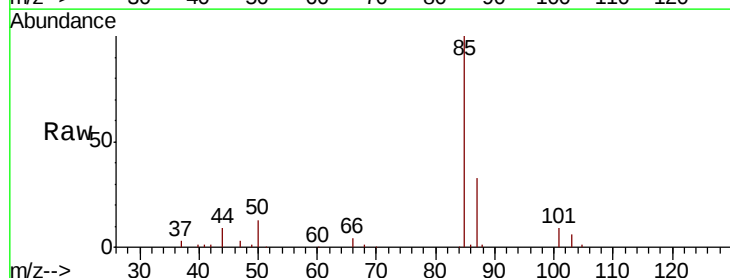
Acq: 5 Dec 2019 15:10

Tgt Ion: 85 Resp: 62089

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

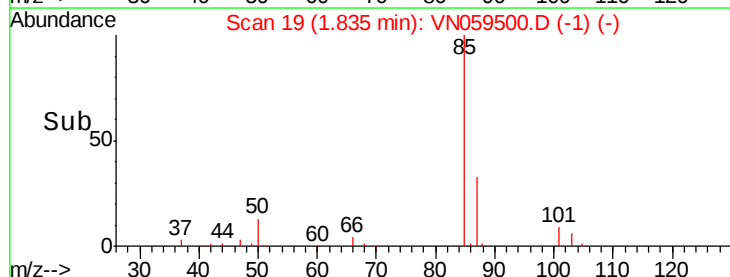
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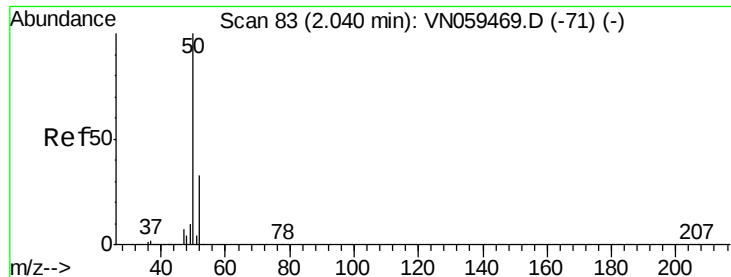
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.842 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

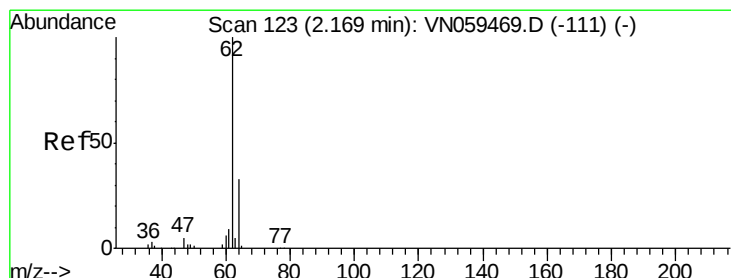
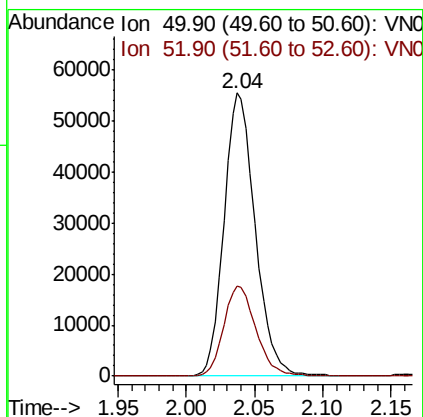
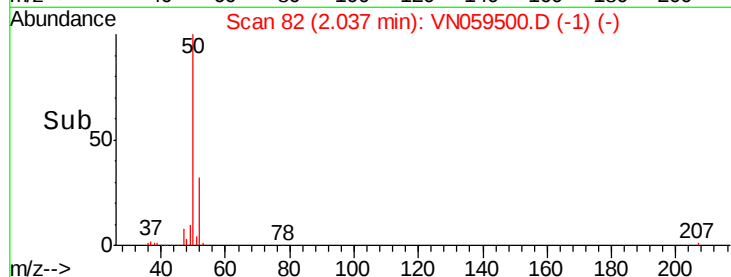
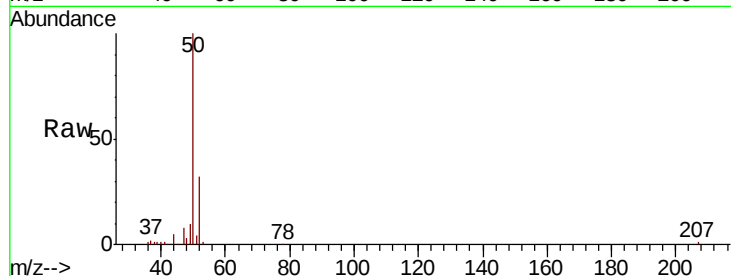
VN1205WBSD01

Tot Ion: 50 Resp: 87874

Ion Ratio Lower Upper

50 100

52 31.8 26.5 39.7



#4

Vinyl Chloride

Concen: 30.993 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059500.D

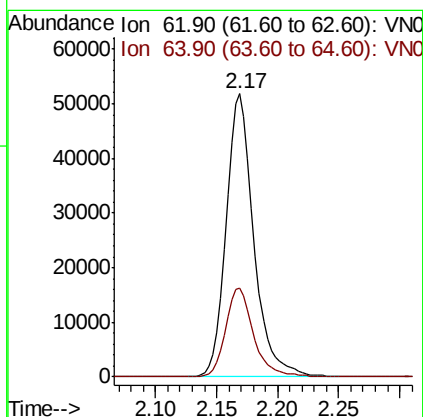
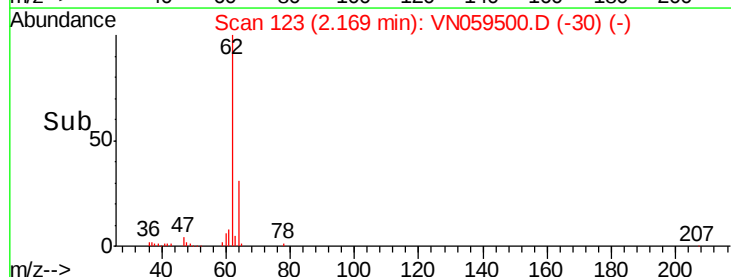
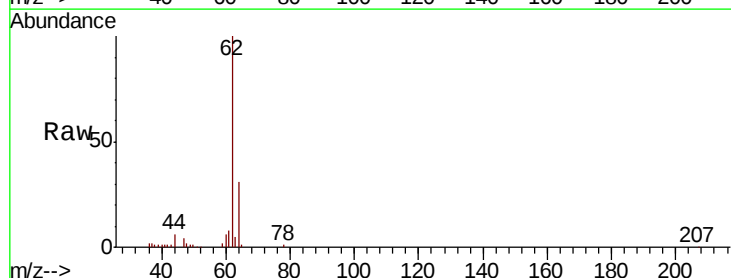
Acq: 5 Dec 2019 15:10

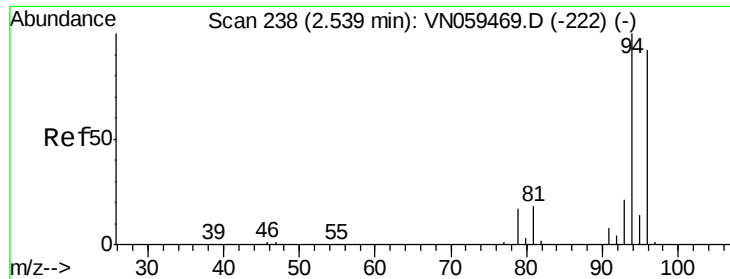
Tgt Ion: 62 Resp: 82364

Ion Ratio Lower Upper

62 100

64 31.5 26.0 39.0





#5

Bromomethane

Concen: 16.501 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

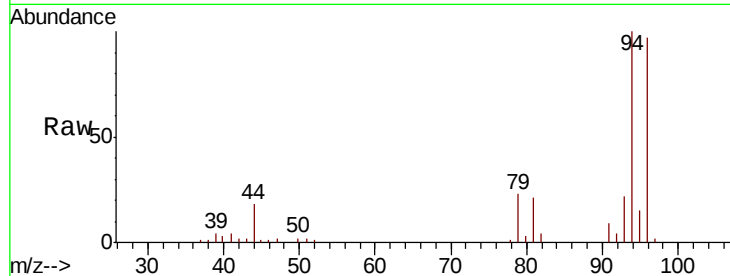
VN1205WBSD01

Tot Ion: 94 Resp: 26649

Ion Ratio Lower Upper

94 100

96 96.5 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

15000

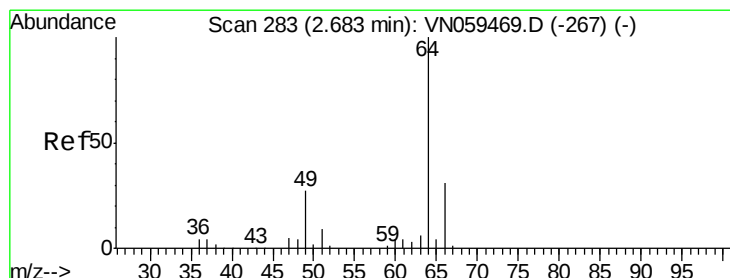
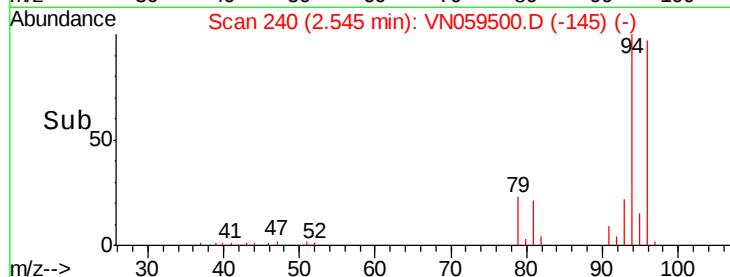
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.731 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059500.D

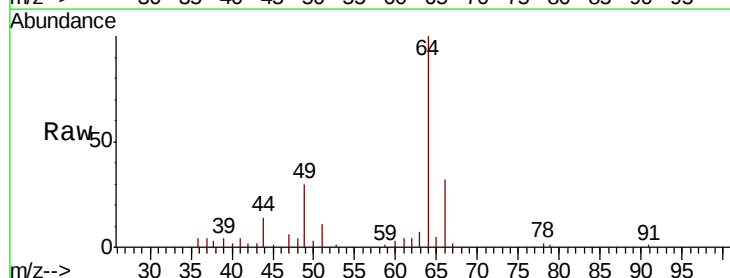
Acq: 5 Dec 2019 15:10

Tgt Ion: 64 Resp: 30957

Ion Ratio Lower Upper

64 100

66 32.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

15000

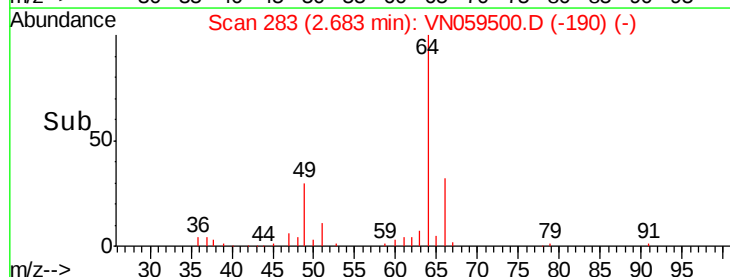
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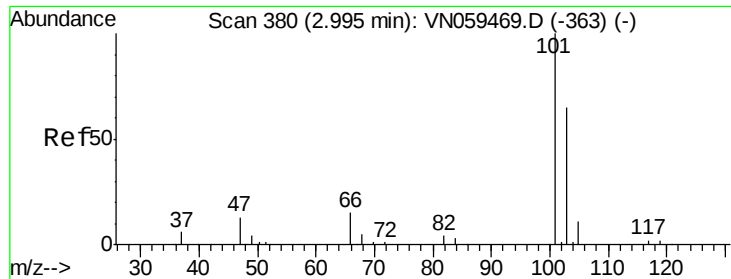
5000

0

Time-->

2.60 2.70 2.80



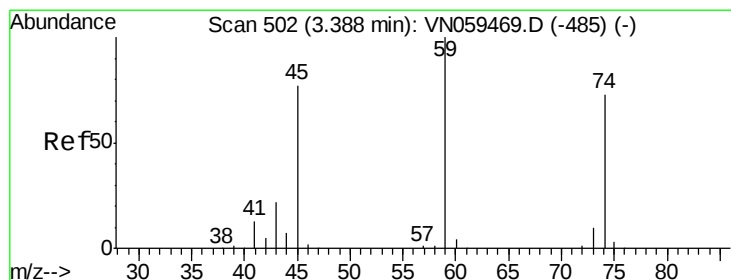
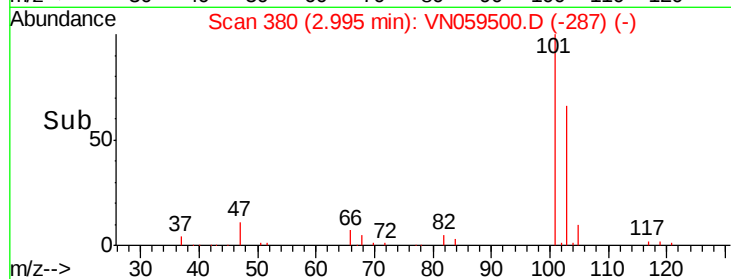
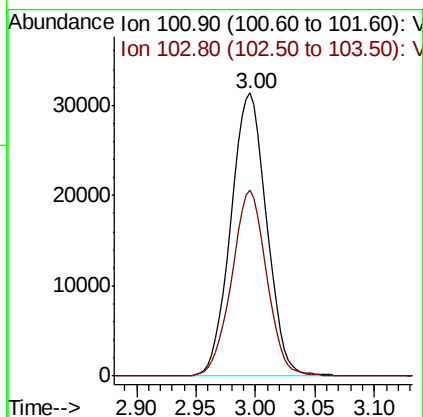
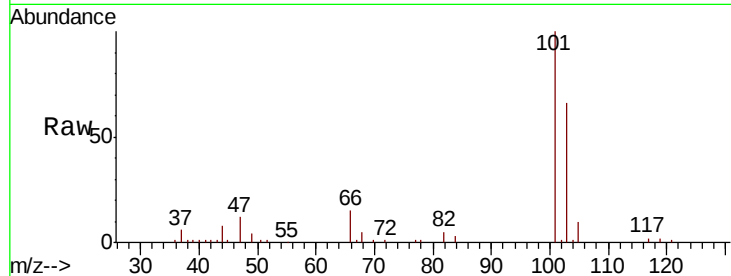


#7

Trichlorofluoromethane
Concen: 20.396 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Instrument :
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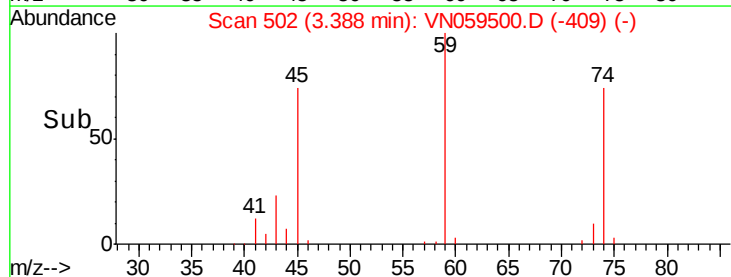
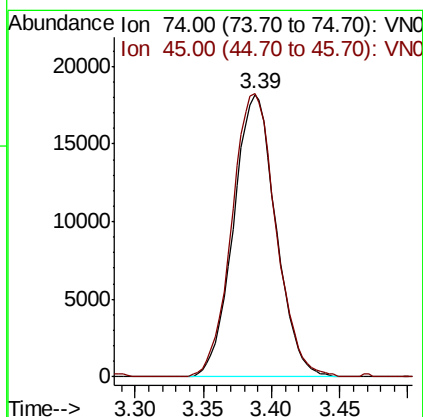
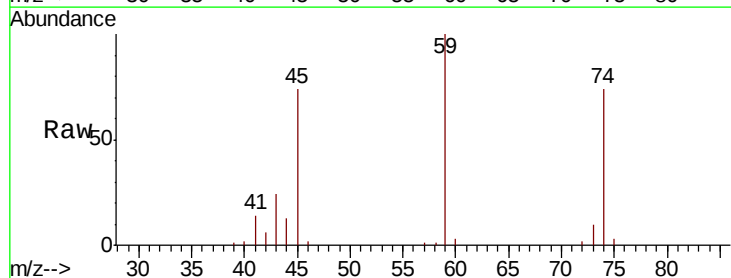
Tot Ion:101 Resp: 65459
Ion Ratio Lower Upper
101 100
103 65.8 52.4 78.6

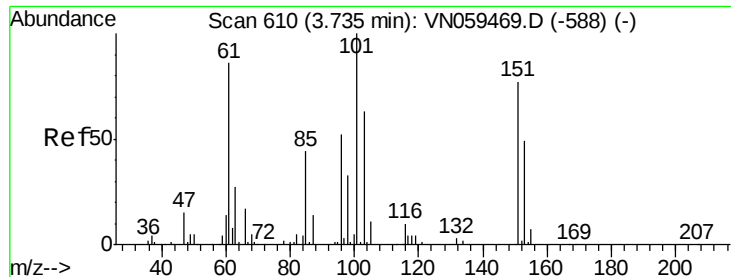


#8

Diethyl Ether
Concen: 18.770 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 74 Resp: 39249
Ion Ratio Lower Upper
74 100
45 104.3 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.424 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

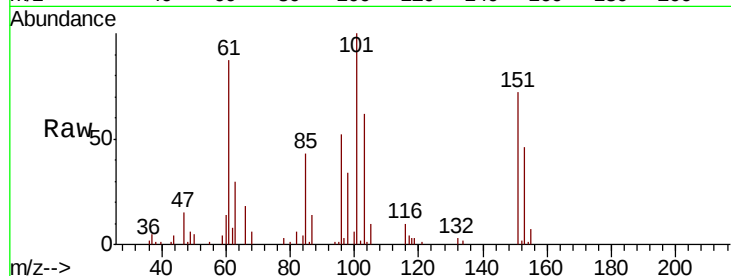
Tot Ion:101 Resp: 61198

Ion Ratio Lower Upper

101 100

85 44.2 35.2 52.8

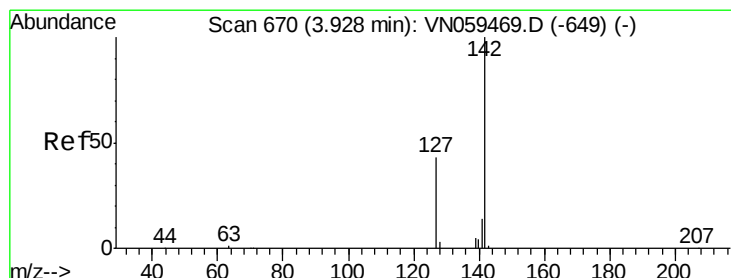
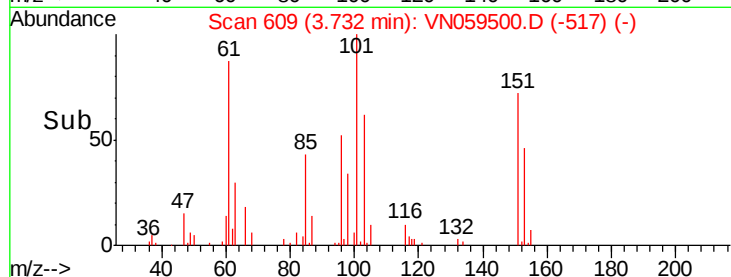
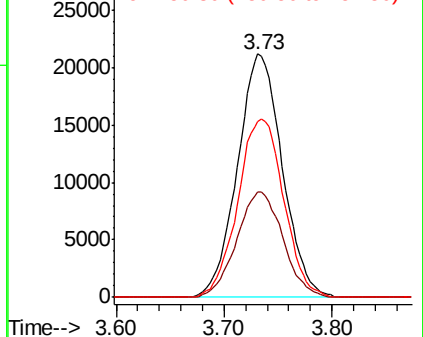
151 75.0 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.881 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

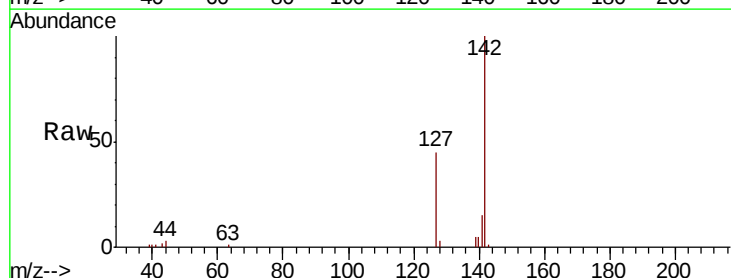
Tgt Ion:142 Resp: 71332

Ion Ratio Lower Upper

142 100

127 45.4 34.6 52.0

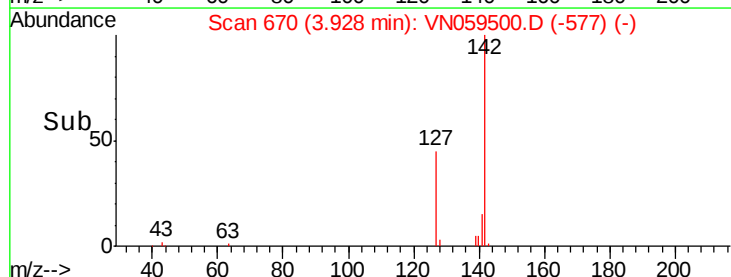
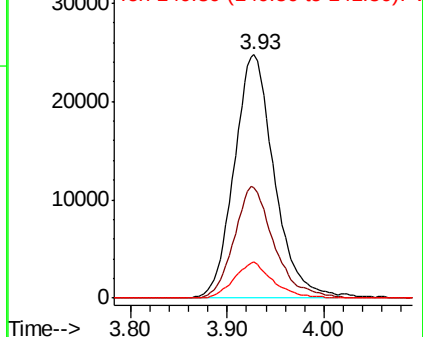
141 14.3 11.4 17.0

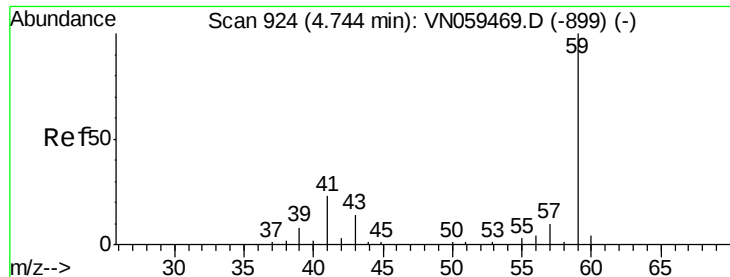


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



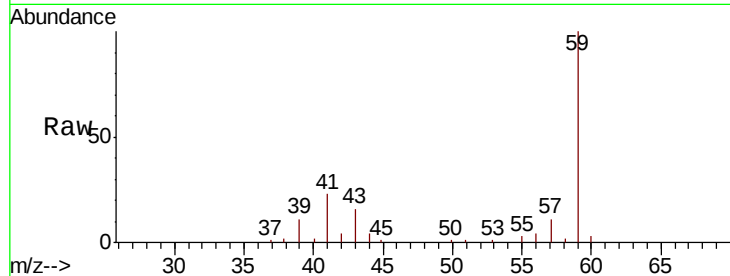


#11

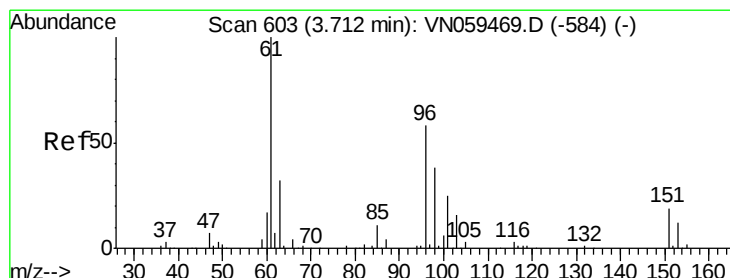
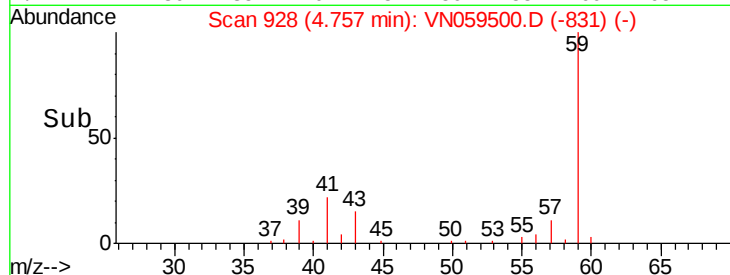
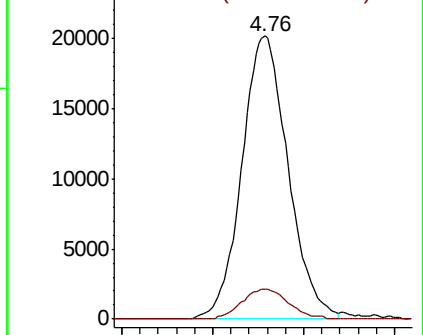
Tert butyl alcohol
 Concen: 102.397 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: VN059500.D
 Acq: 5 Dec 2019 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

Tot Ion: 59 Resp: 71174
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.1 12.1



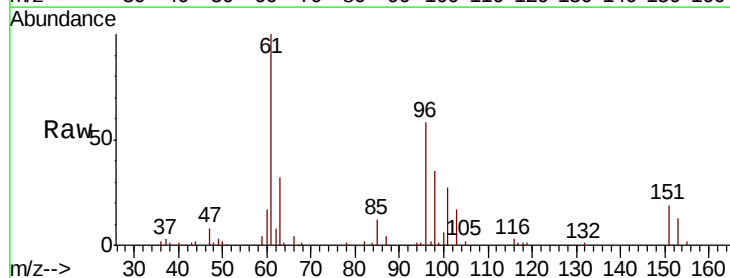
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



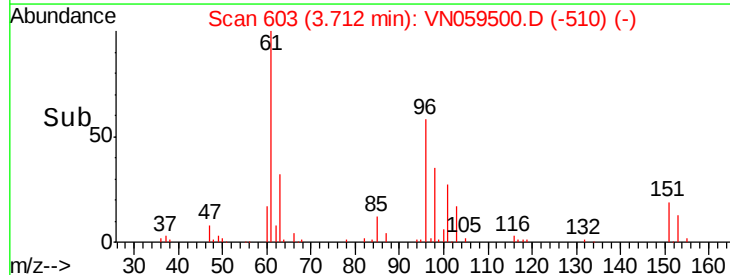
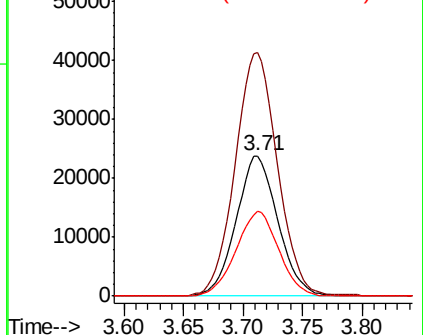
#12

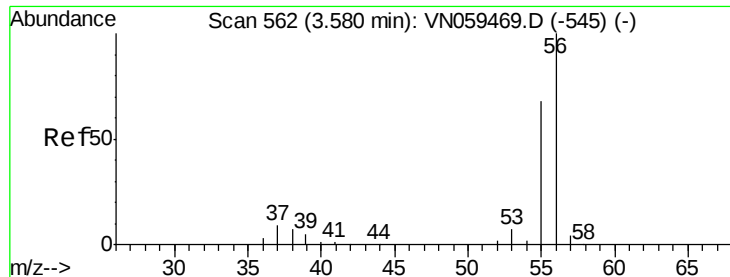
1,1-Dichloroethene
 Concen: 18.741 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059500.D
 Acq: 5 Dec 2019 15:10

Tgt Ion: 96 Resp: 57717
 Ion Ratio Lower Upper
 96 100
 61 173.7 137.1 205.7
 98 60.5 52.4 78.6



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





#13

Acrolein

Concen: 114.108 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

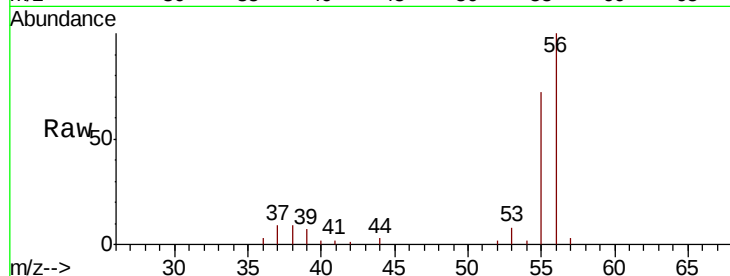
VN1205WBSD01

Tot Ion: 56 Resp: 68835

Ion Ratio Lower Upper

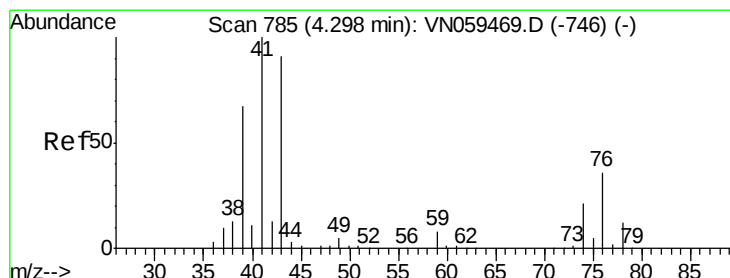
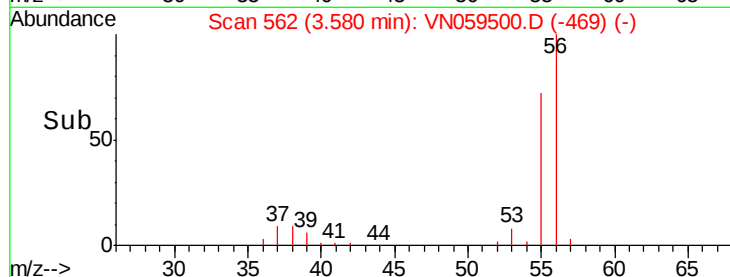
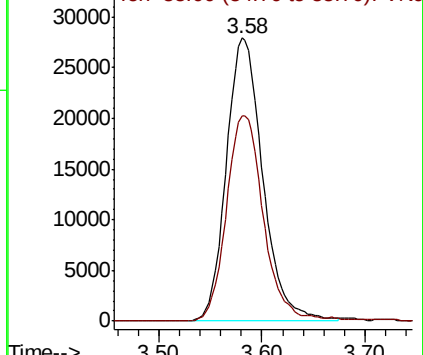
56 100

55 73.2 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.107 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

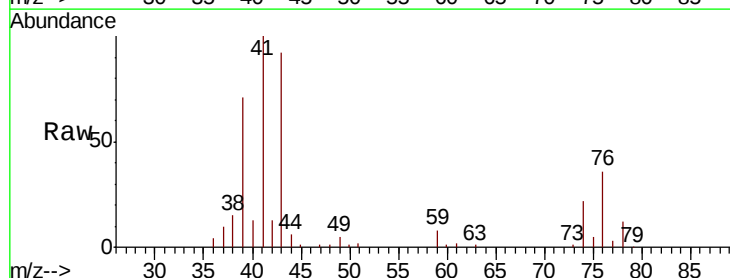
Tgt Ion: 41 Resp: 115904

Ion Ratio Lower Upper

41 100

39 65.0 49.3 73.9

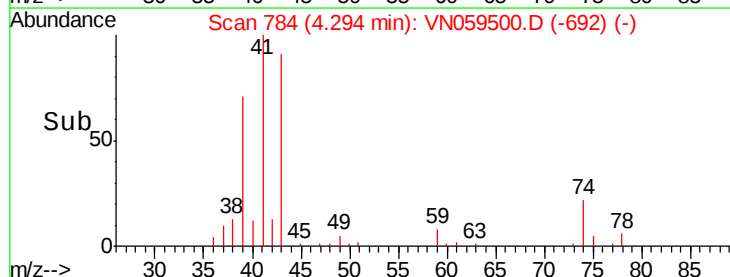
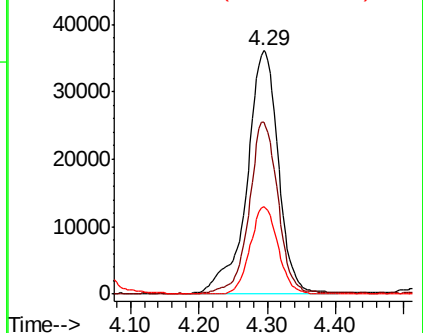
76 31.6 25.6 38.4

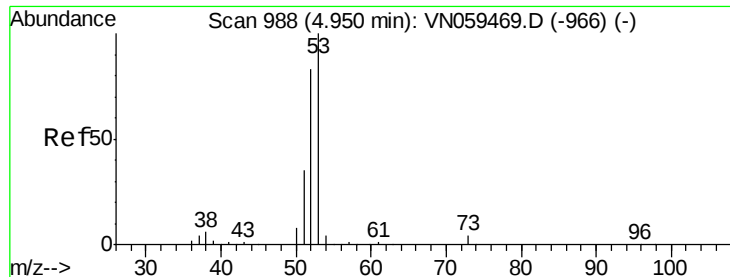


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 97.516 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampled :

VN1205WBSD01

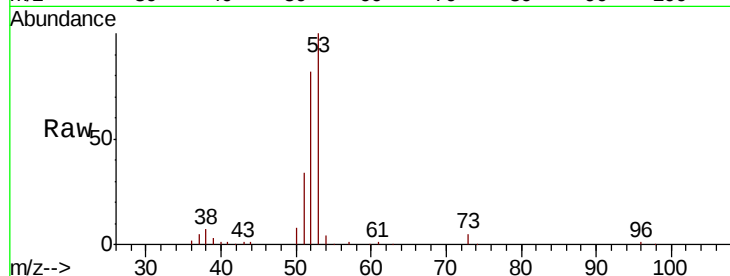
Tot Ion: 53 Resp: 183375

Ion Ratio Lower Upper

53 100

52 80.5 65.5 98.3

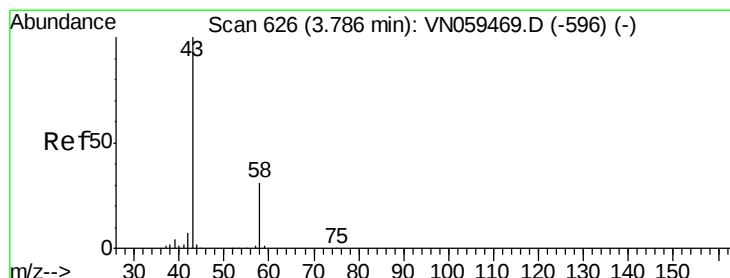
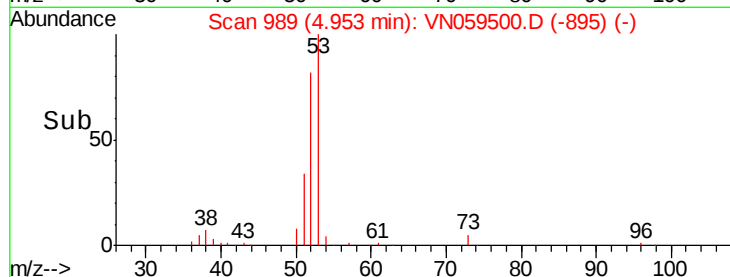
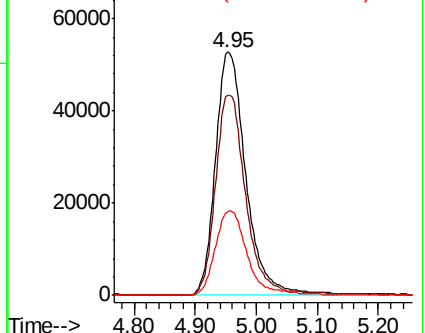
51 36.1 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 75.126 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059500.D

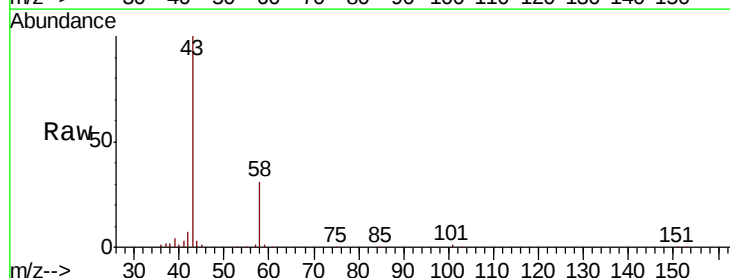
Acq: 5 Dec 2019 15:10

Tgt Ion: 43 Resp: 162250

Ion Ratio Lower Upper

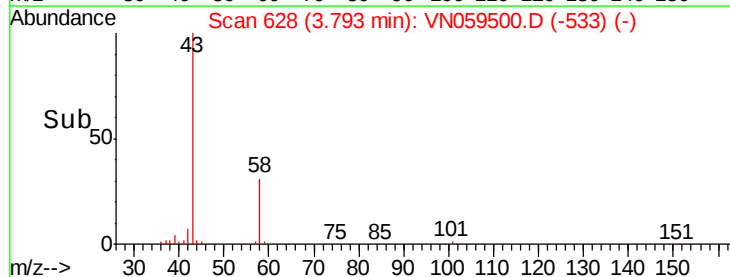
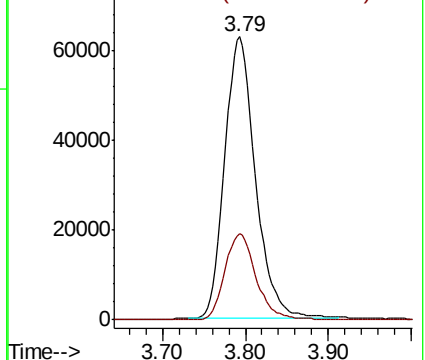
43 100

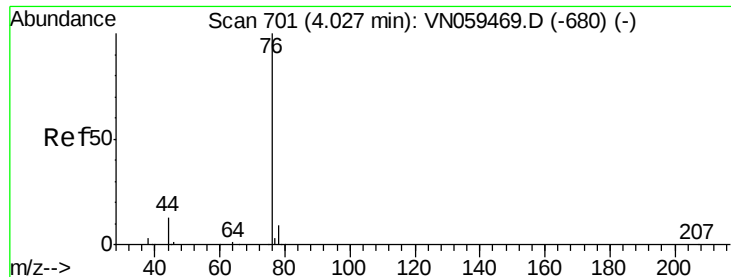
58 30.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

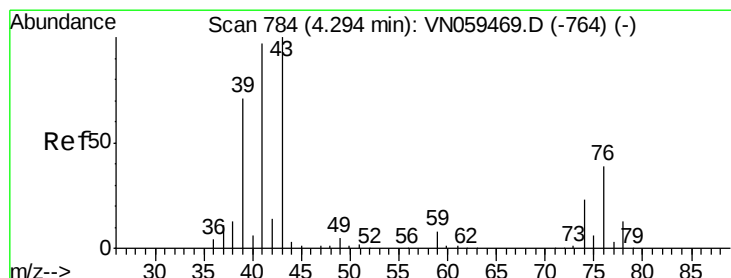
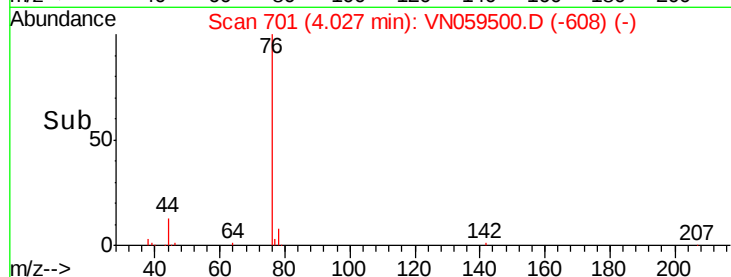
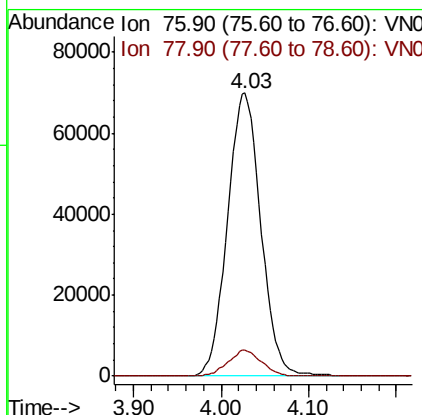
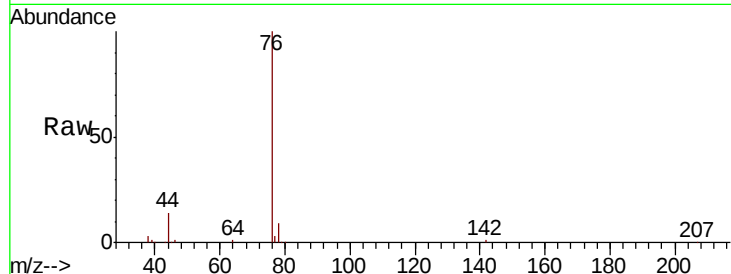




#17
Carbon Disulfide
Concen: 17.600 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

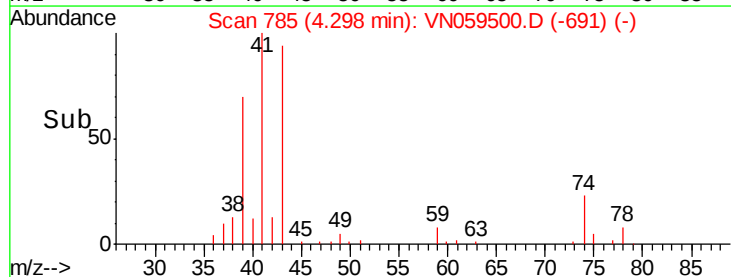
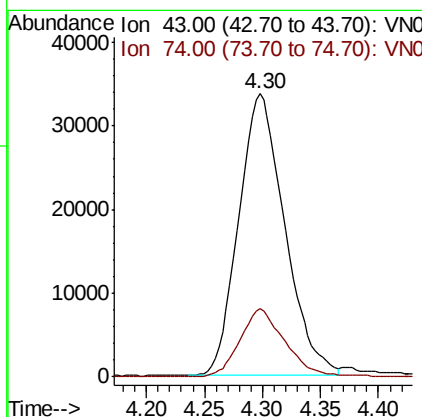
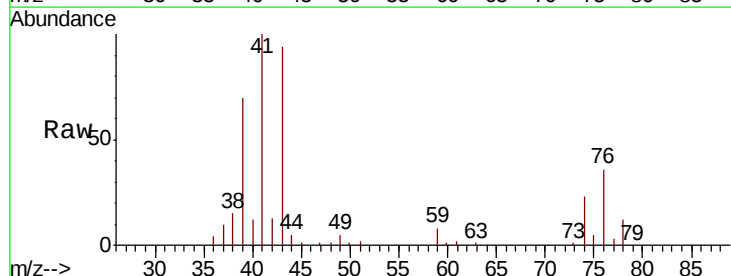
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

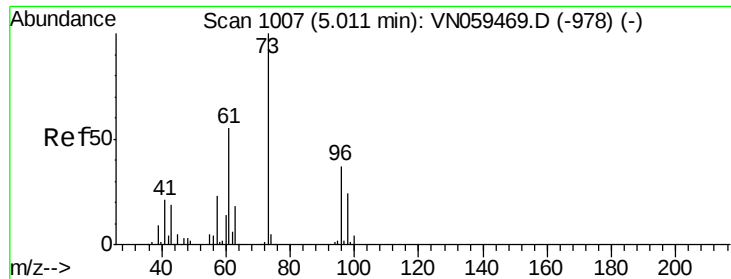
Tot Ion: 76 Resp: 184949
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 18.715 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 43 Resp: 92928
Ion Ratio Lower Upper
43 100
74 23.5 18.3 27.5

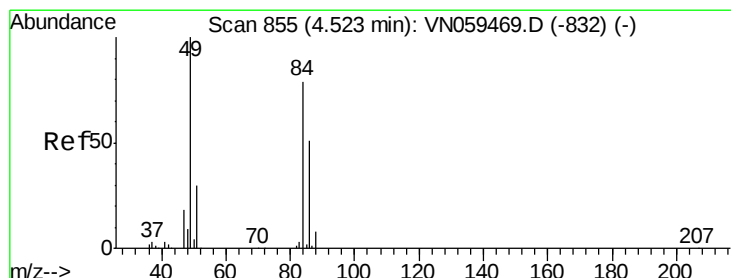
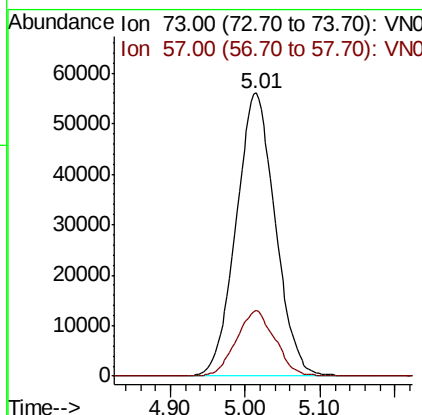
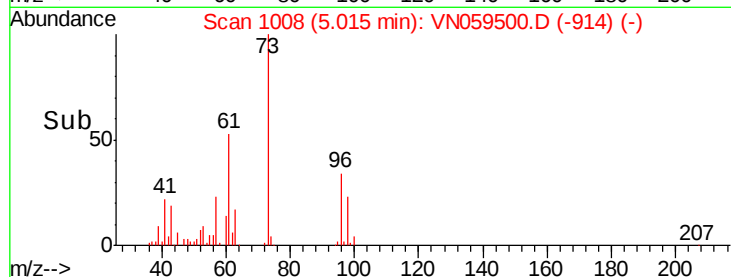
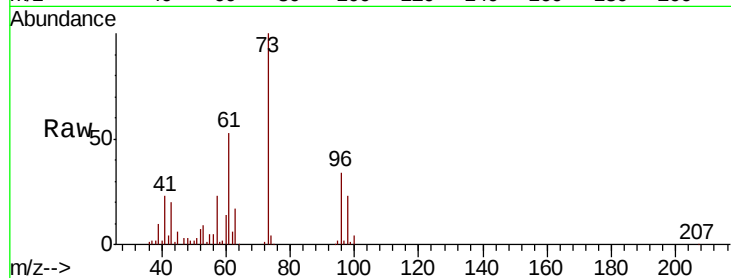




#19
Methvl tert-butvl Ether
Concen: 19.397 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

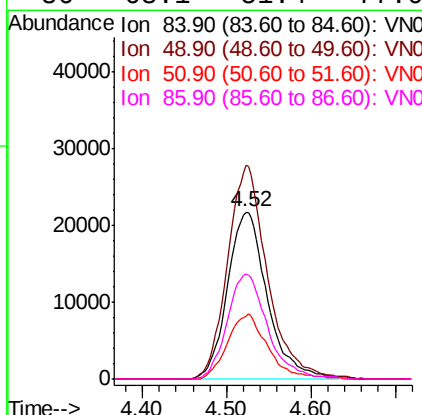
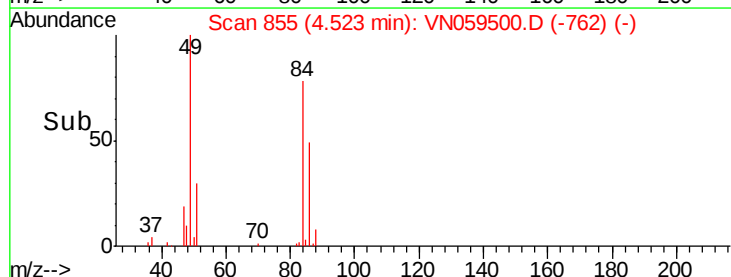
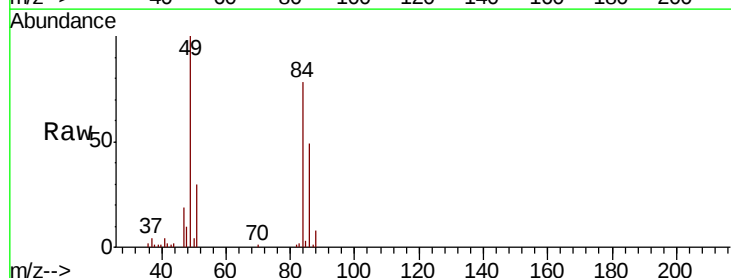
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

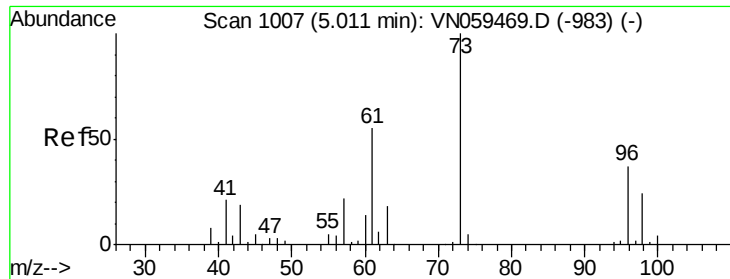
Tot Ion: 73 Resp: 203597
Ion Ratio Lower Upper
73 100
57 23.3 18.0 27.0



#20
Methylene Chloride
Concen: 19.777 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 84 Resp: 71231
Ion Ratio Lower Upper
84 100
49 128.0 101.1 151.7
51 38.0 30.7 46.1
86 63.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.778 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

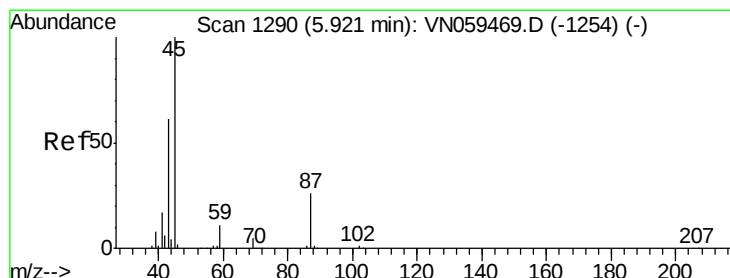
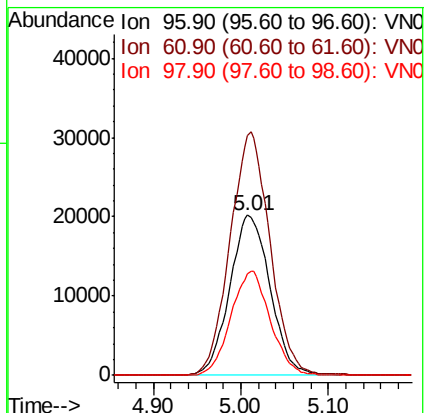
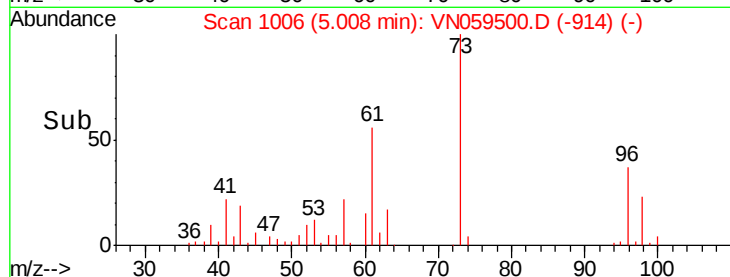
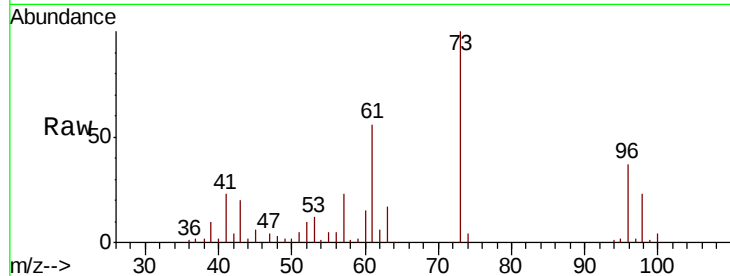
Tot Ion: 96 Resp: 64709

Ion Ratio Lower Upper

96 100

61 149.7 118.9 178.3

98 63.2 51.6 77.4



#22

Diisopropyl ether

Concen: 20.048 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Tgt Ion: 45 Resp: 226350

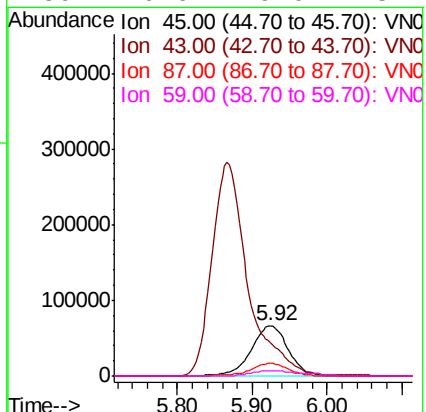
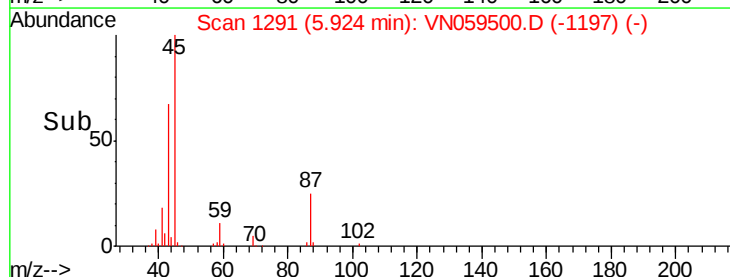
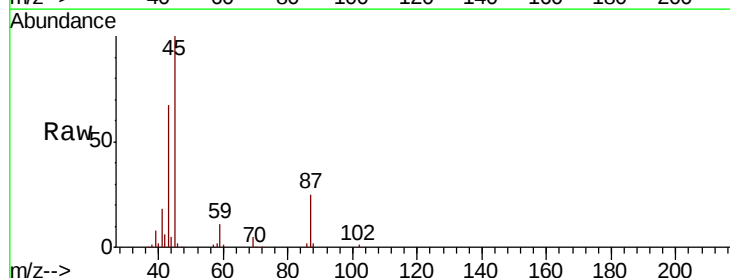
Ion Ratio Lower Upper

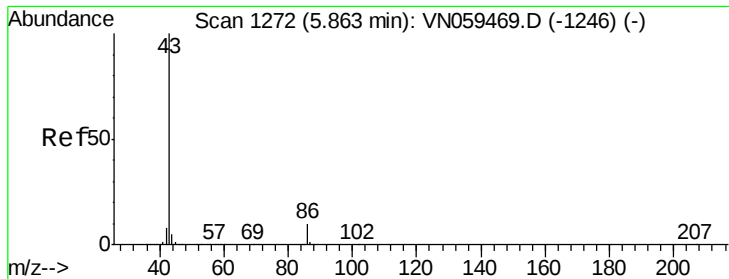
45 100

43 64.8 49.1 73.7

87 25.2 21.6 32.4

59 10.6 9.0 13.4





#23

Vinyl Acetate

Concen: 103.998 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

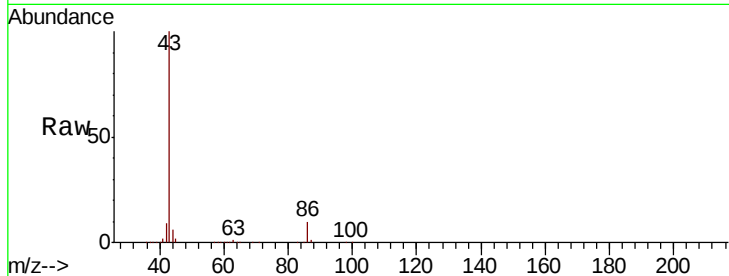
VN1205WBSD01

Tot Ion: 43 Resp: 942177

Ion Ratio Lower Upper

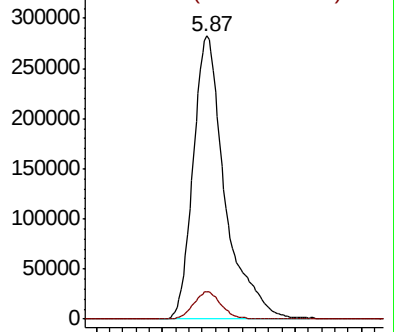
43 100

86 9.8 8.0 12.0

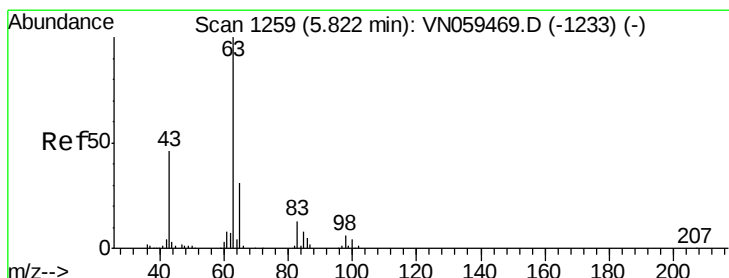
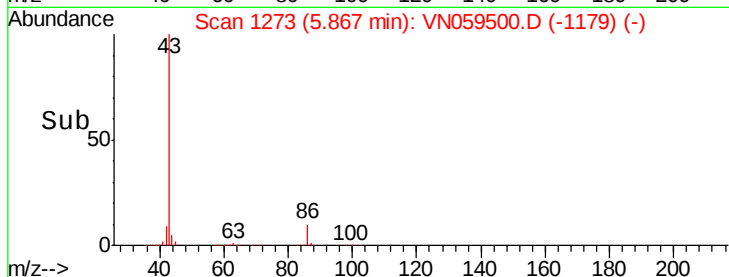


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 19.963 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

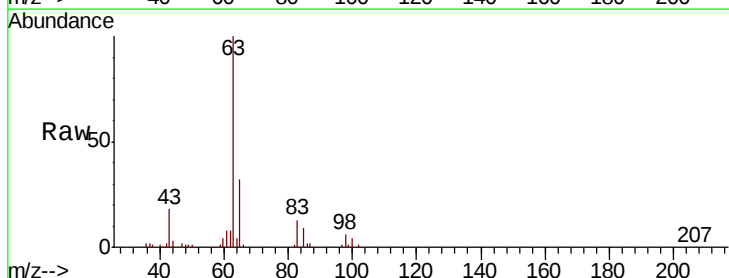
Tgt Ion: 63 Resp: 128036

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

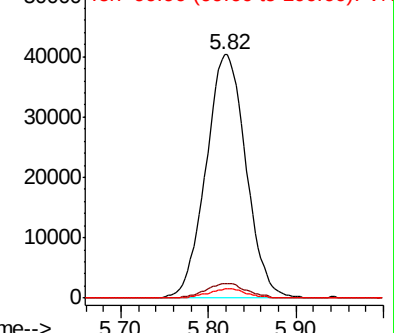
100 3.9 2.0 6.0



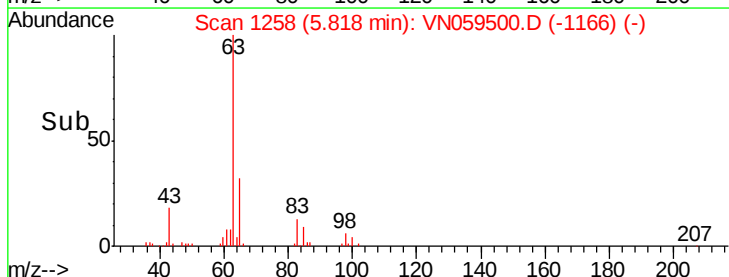
Abundance Ion 62.90 (62.60 to 63.60): VN0

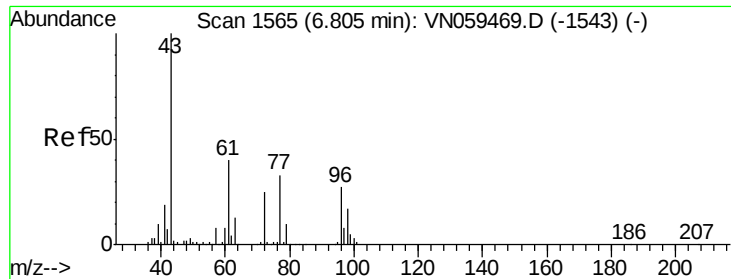
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->

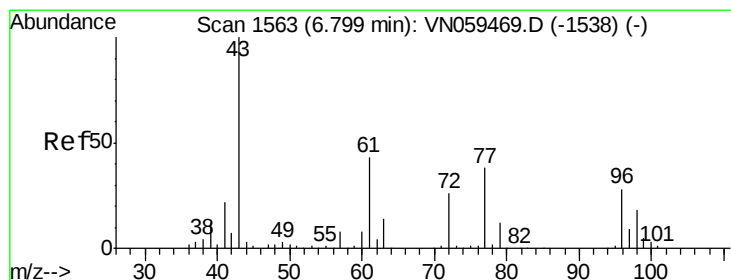
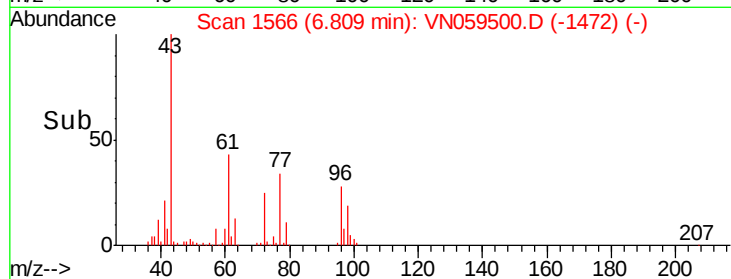
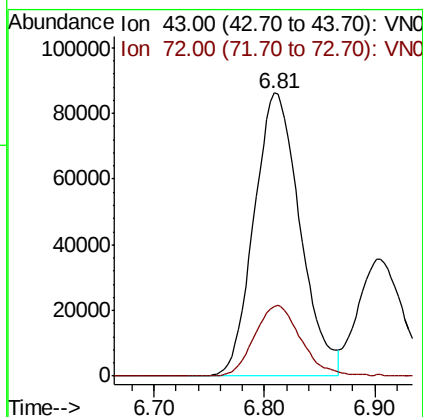
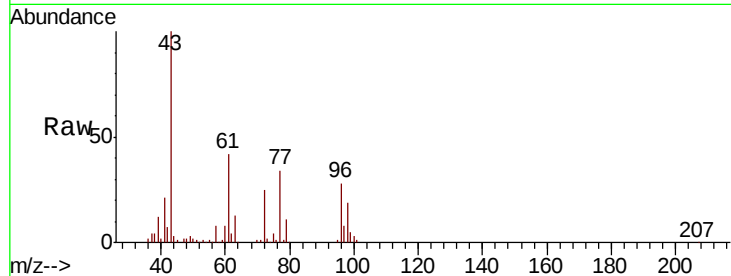




#25
2-Butanone
Concen: 88.965 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

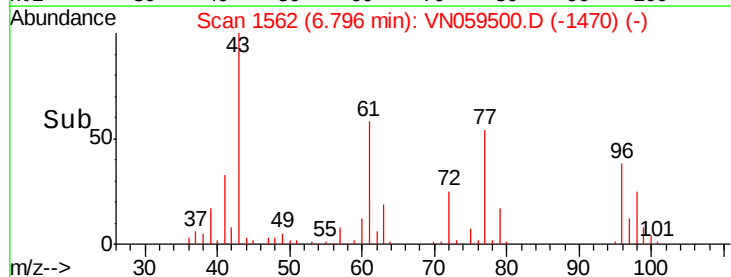
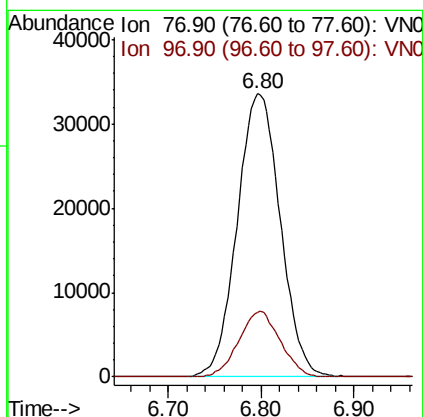
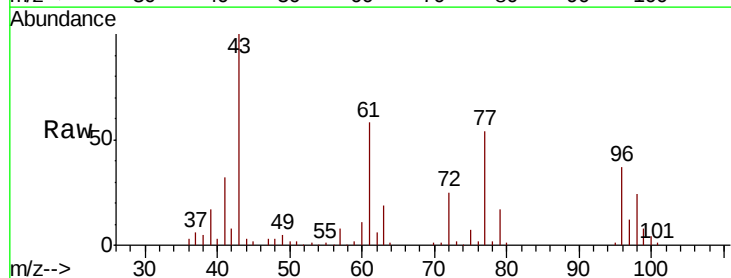
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

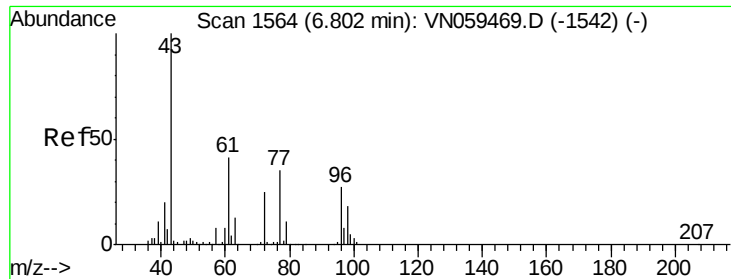
Tot Ion: 43 Resp: 249429
Ion Ratio Lower Upper
43 100
72 24.7 20.2 30.2



#26
2,2-Dichloropropane
Concen: 19.518 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 77 Resp: 108274
Ion Ratio Lower Upper
77 100
97 22.2 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.240 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

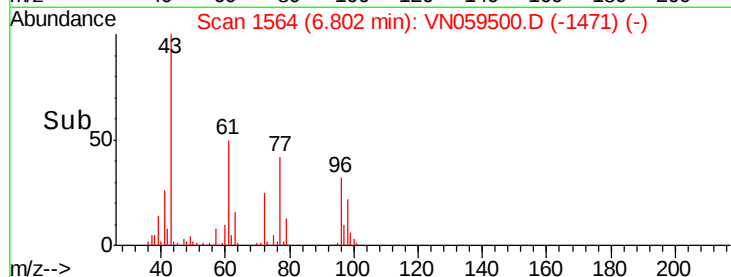
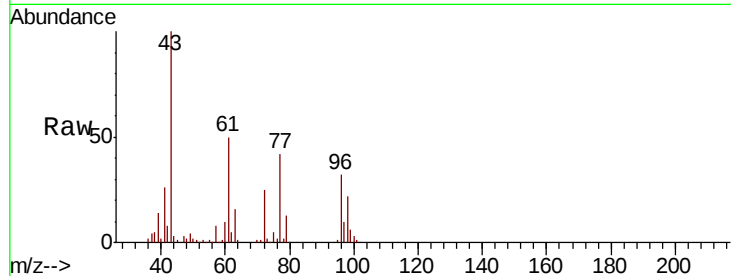
Tot Ion: 96 Resp: 73635

Ion Ratio Lower Upper

96 100

61 153.1 0.0 307.4

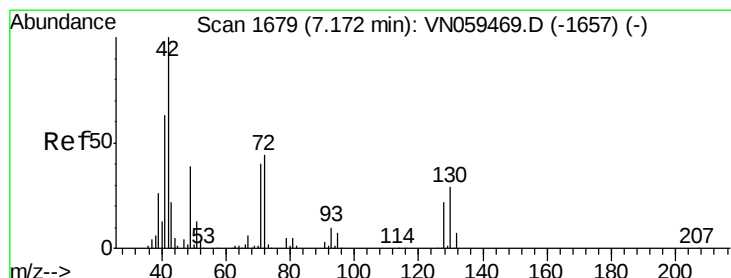
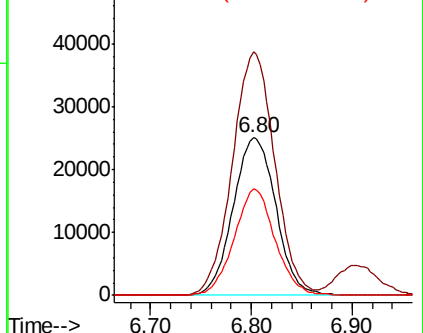
98 64.6 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.243 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

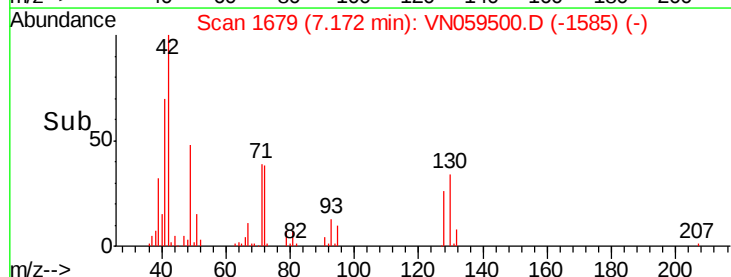
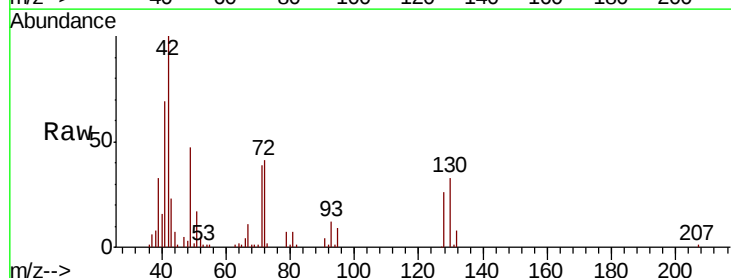
Tgt Ion: 49 Resp: 52194

Ion Ratio Lower Upper

49 100

129 0.4 0.0 3.2

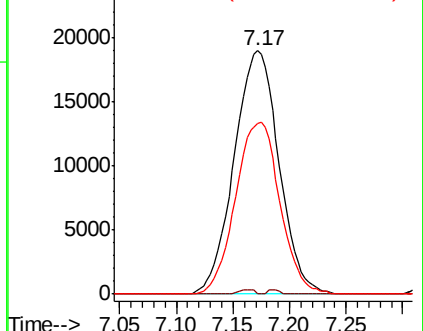
130 70.0 58.4 87.6

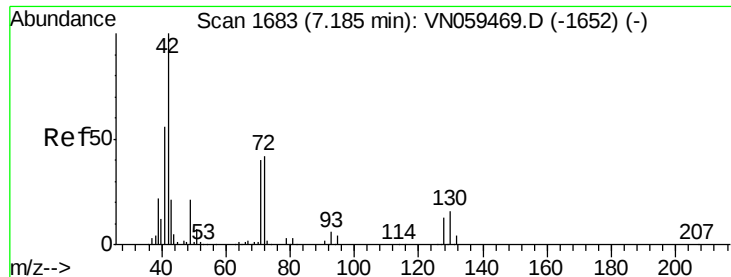


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

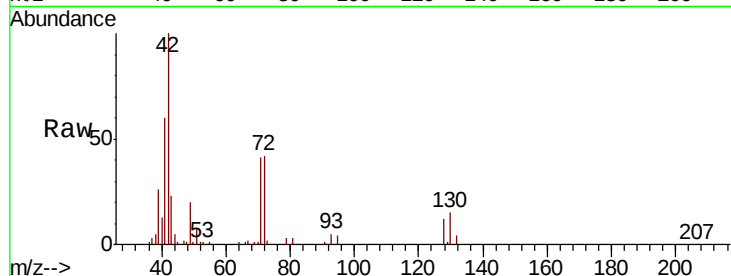




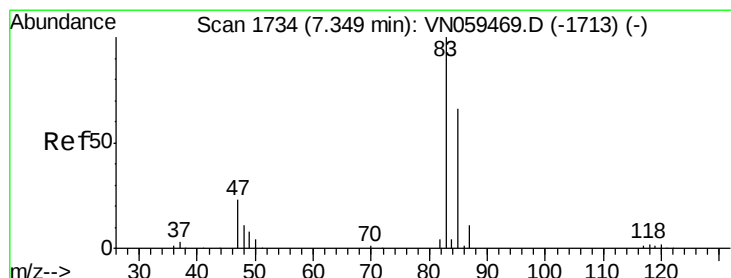
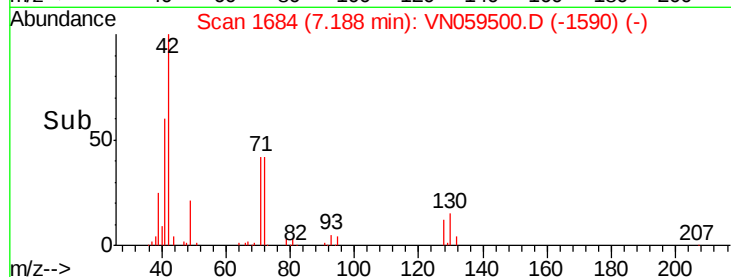
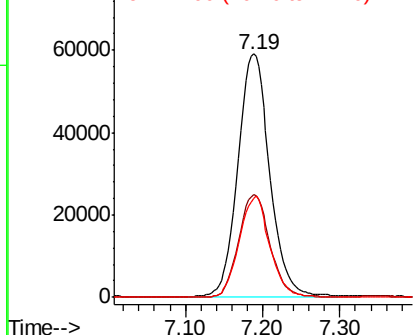
#29
Tetrahydrofuran
Concen: 95.450 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

Tot Ion: 42 Resp: 168270
Ion Ratio Lower Upper
42 100
72 41.9 34.2 51.2
71 40.1 32.0 48.0

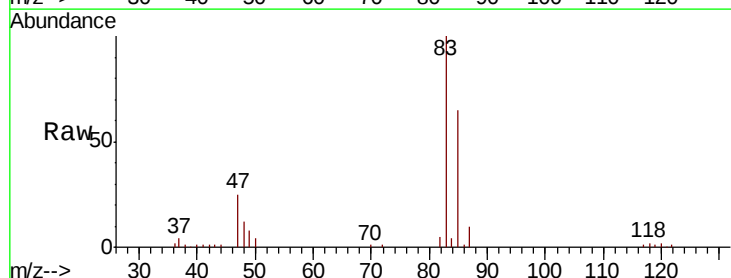


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

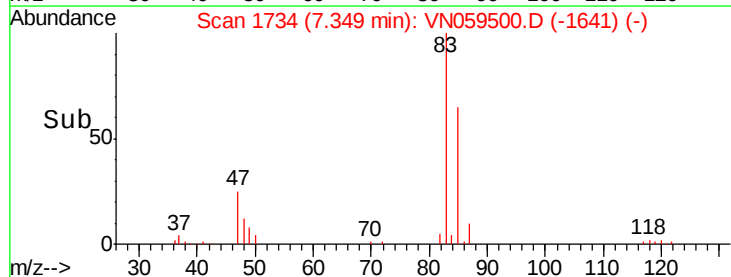
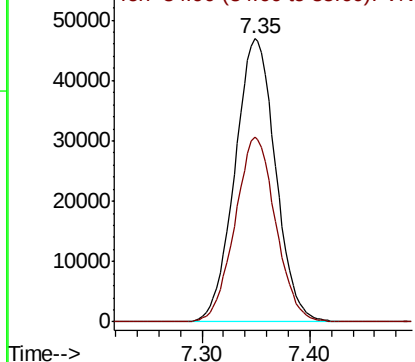


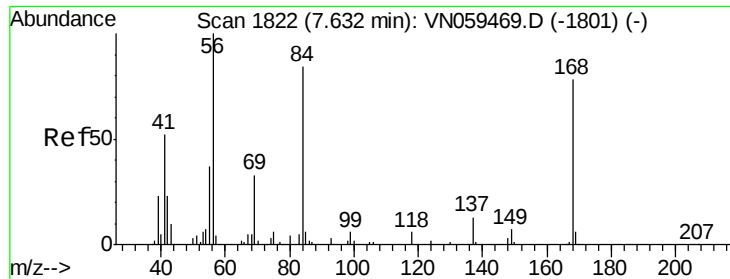
#30
Chloroform
Concen: 19.807 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 83 Resp: 122658
Ion Ratio Lower Upper
83 100
85 65.4 52.4 78.6



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

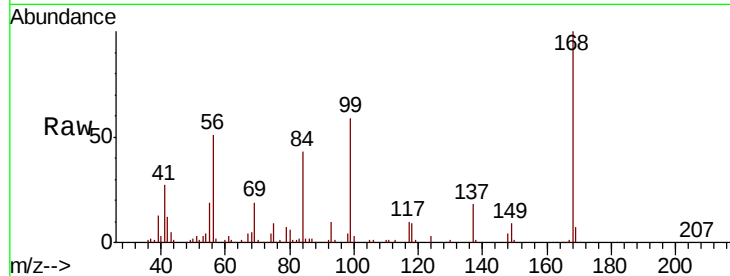




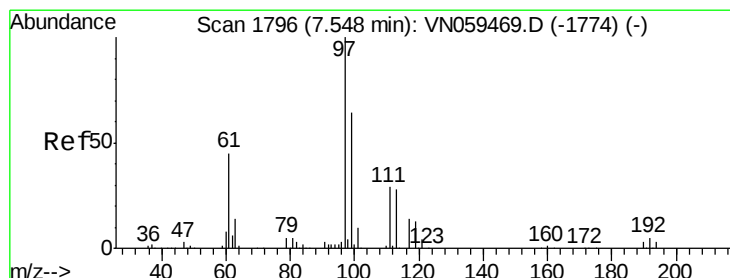
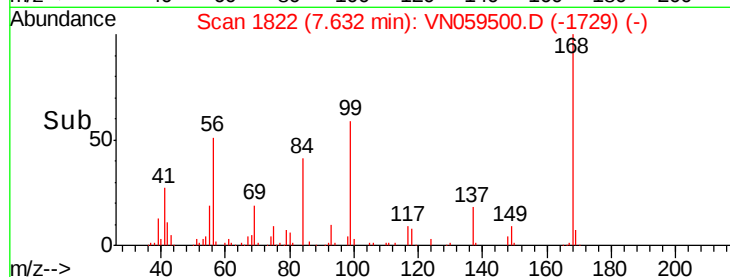
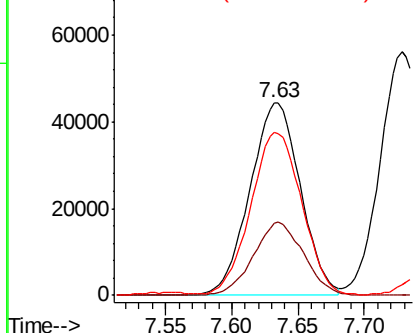
#31
Cyclohexane
Concen: 18.988 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Instrument :
MSVOA_N
ClientSampled :
VN1205WBSD01

Tot Ion: 56 Resp: 118000
Ion Ratio Lower Upper
56 100
69 37.4 26.2 39.4
84 83.4 66.8 100.2

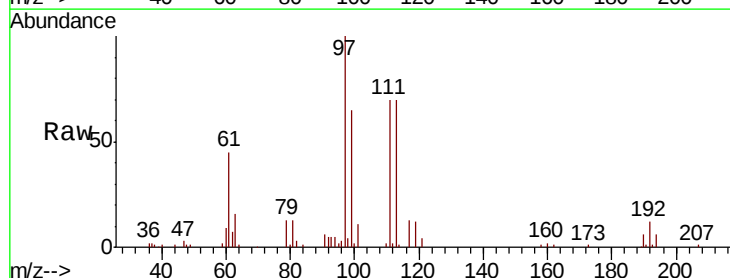


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

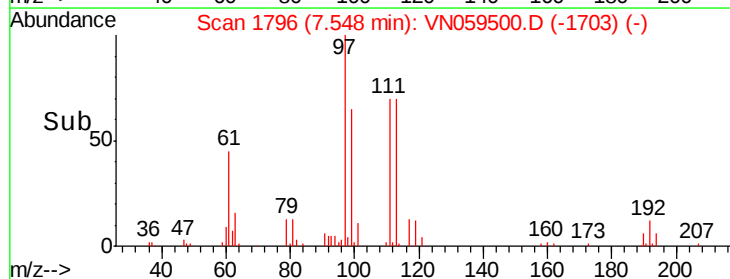
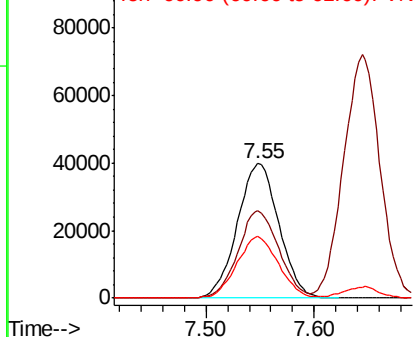


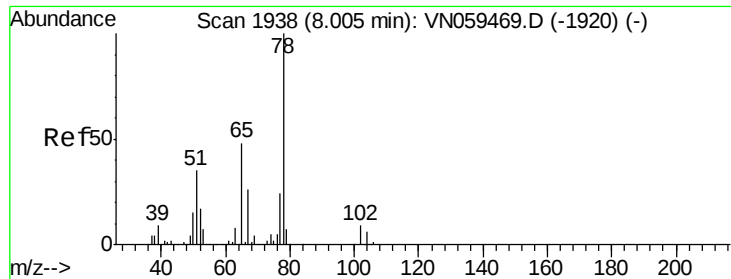
#32
1,1,1-Trichloroethane
Concen: 19.817 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 97 Resp: 106665
Ion Ratio Lower Upper
97 100
99 63.9 51.7 77.5
61 45.9 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 54.963 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

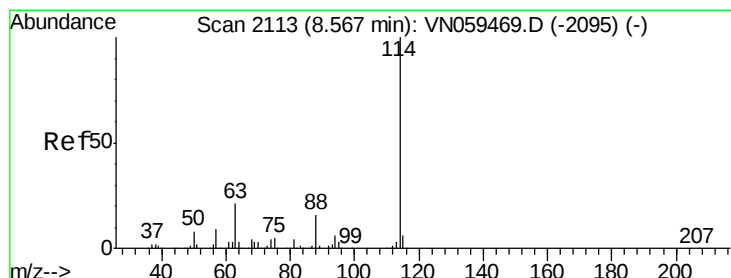
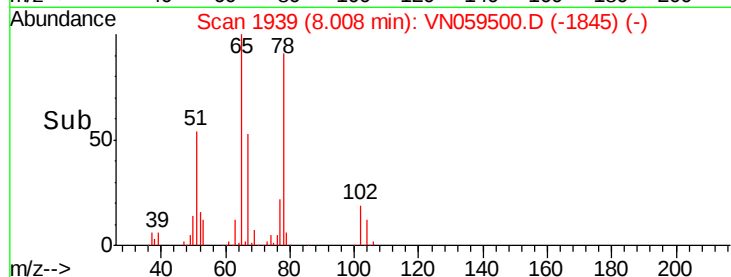
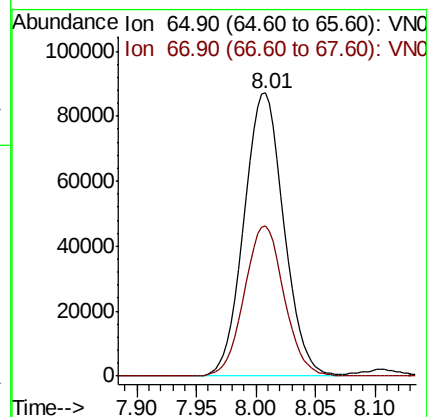
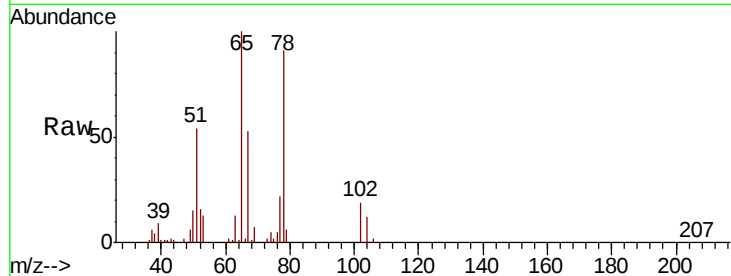
VN1205WBSD01

Tot Ion: 65 Resp: 202738

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

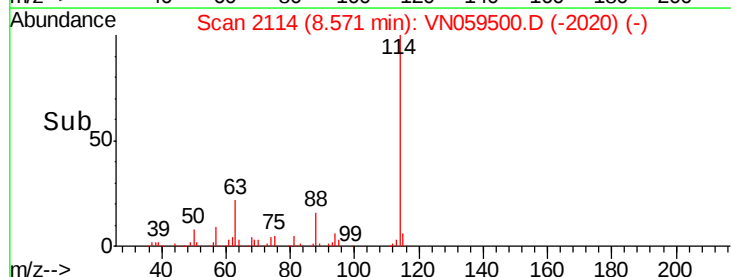
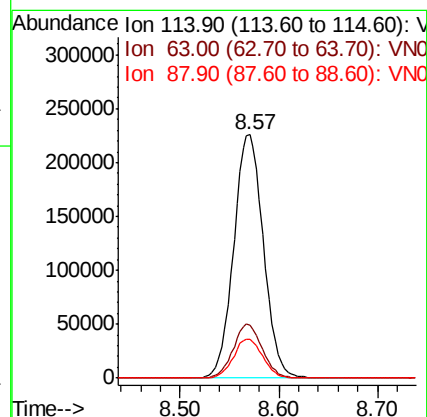
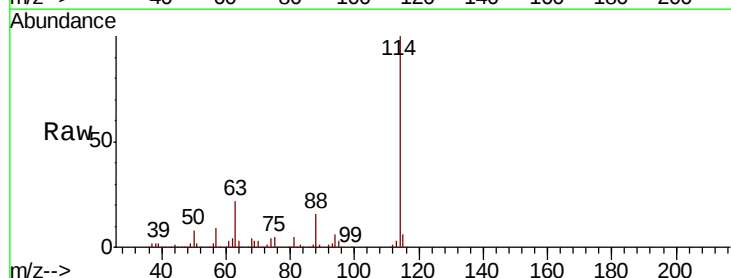
Tgt Ion: 114 Resp: 473153

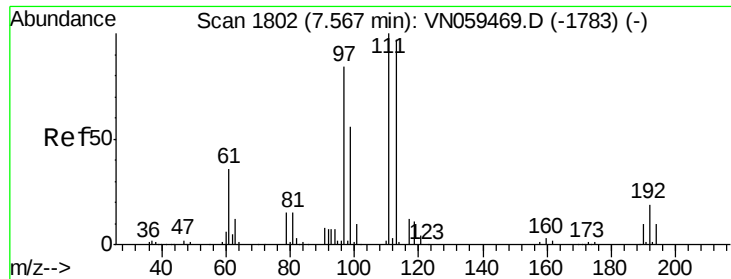
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

88 15.9 0.0 32.8

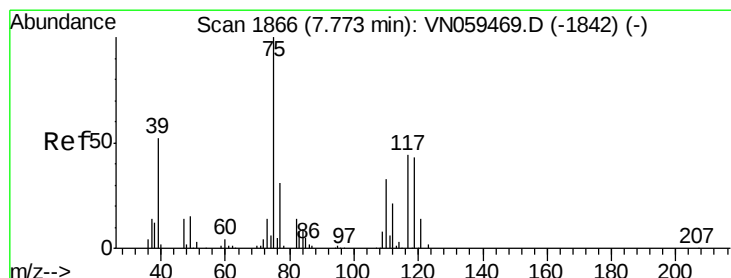
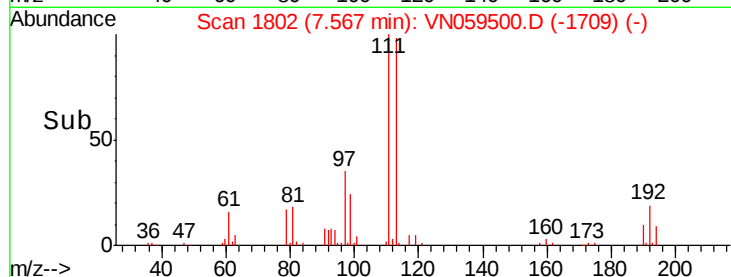
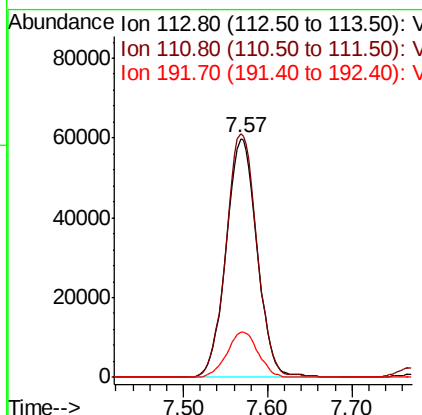
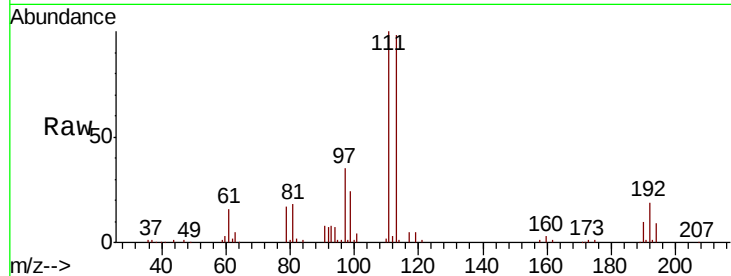




#35
 Dibromofluoromethane
 Concen: 51.737 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059500.D
 Acq: 5 Dec 2019 15:10

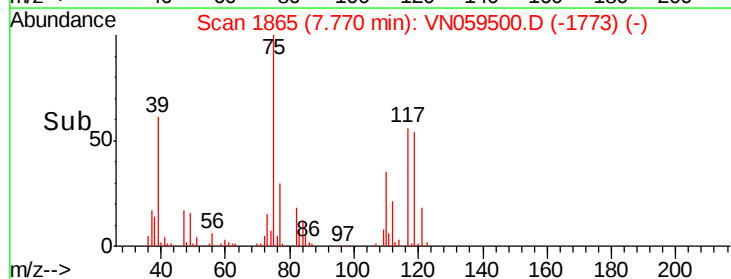
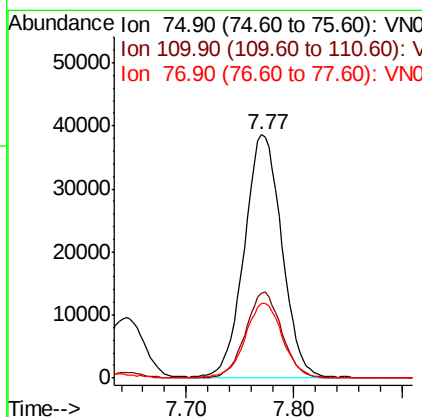
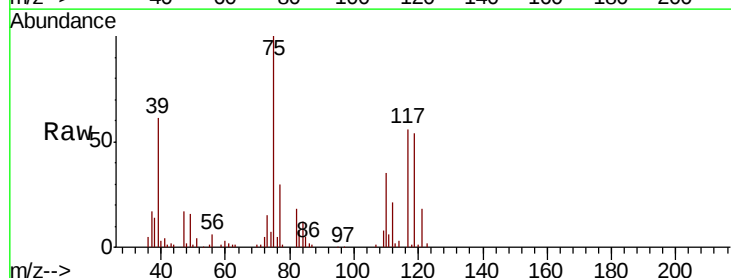
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

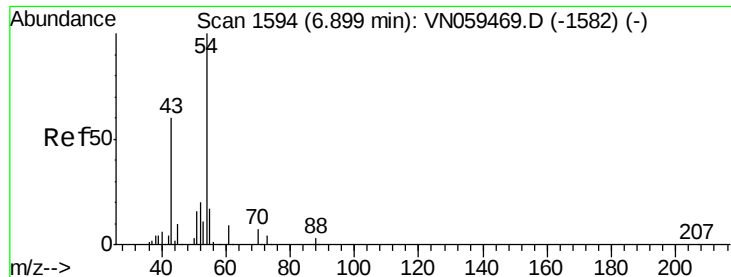
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.5	123.7
192	19.2	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 18.862 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059500.D
 Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	30.9	25.1	37.7

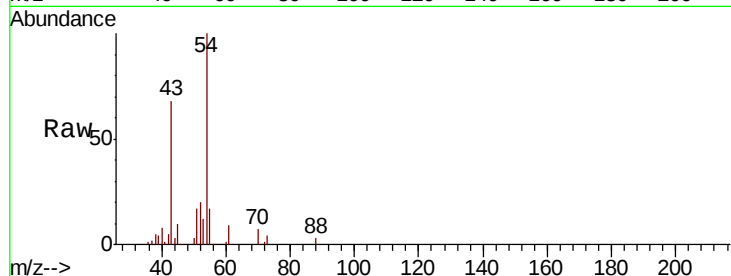




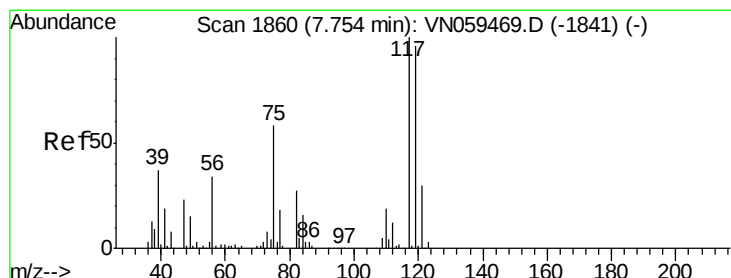
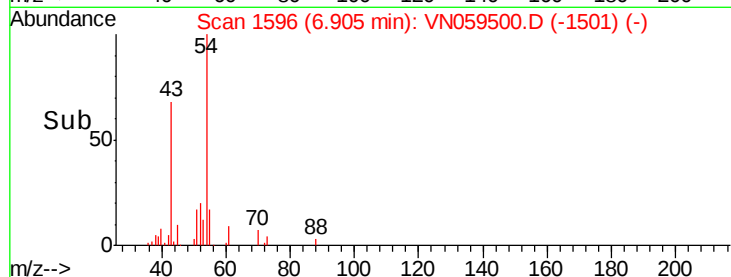
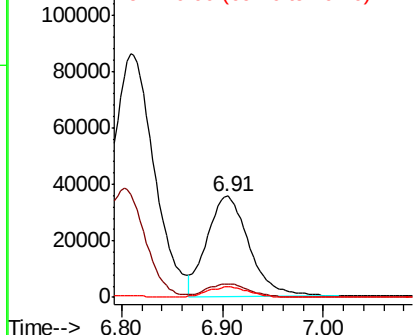
#37
Ethyl Acetate
Concen: 18.686 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

Tot Ion: 43 Resp: 102770
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 10.3 8.3 12.5

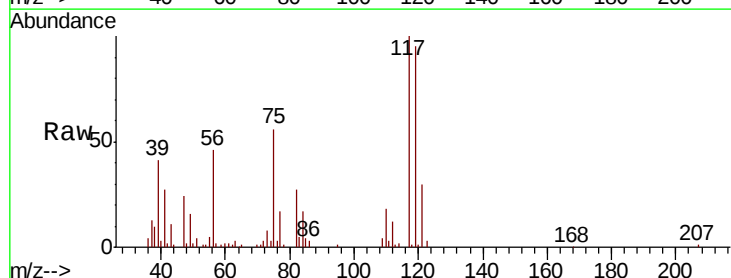


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

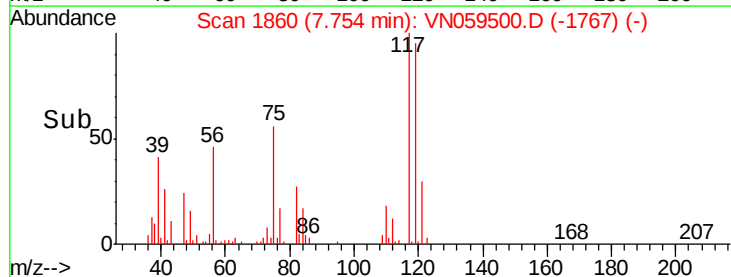
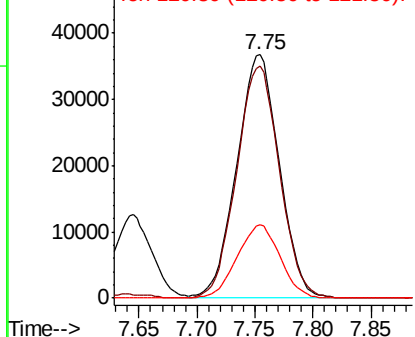


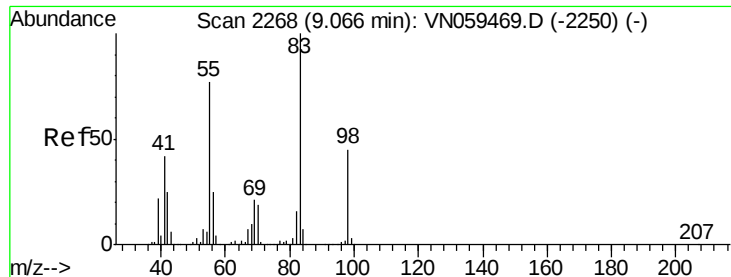
#38
Carbon Tetrachloride
Concen: 19.815 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 117 Resp: 93836
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8
121 30.4 24.0 36.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

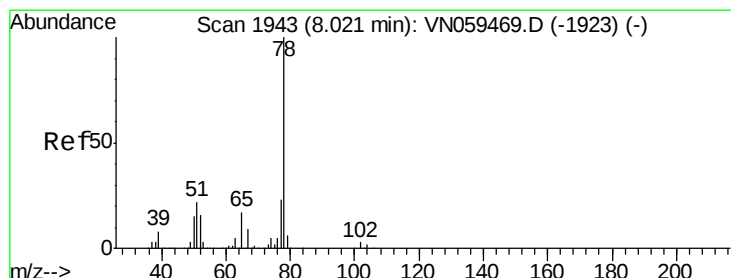
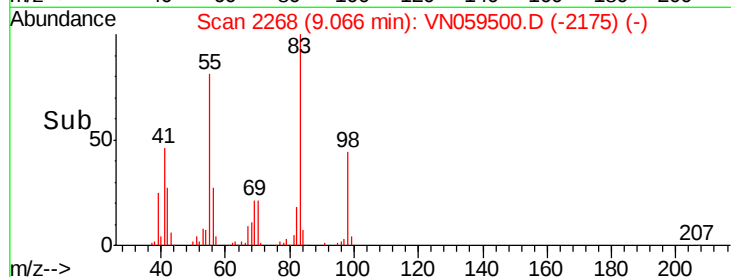
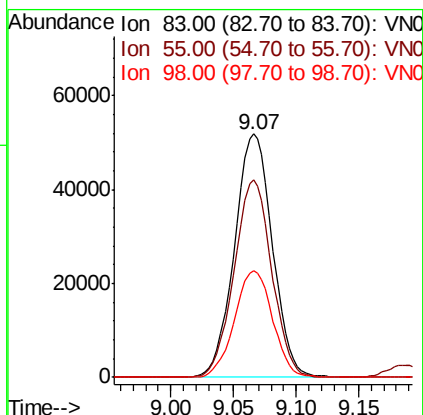
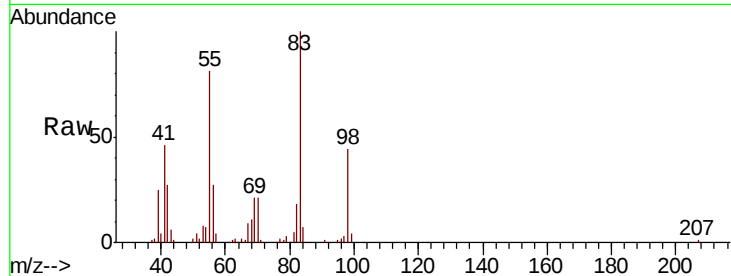




#39
Methvlcvclohexane
Concen: 18.384 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

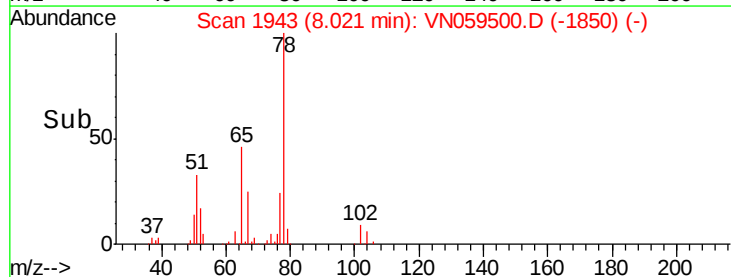
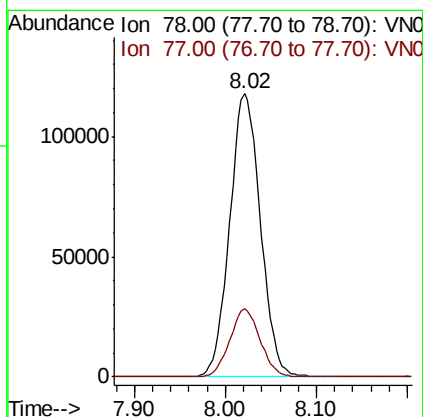
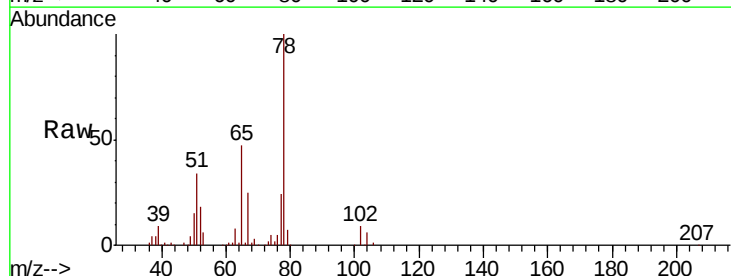
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

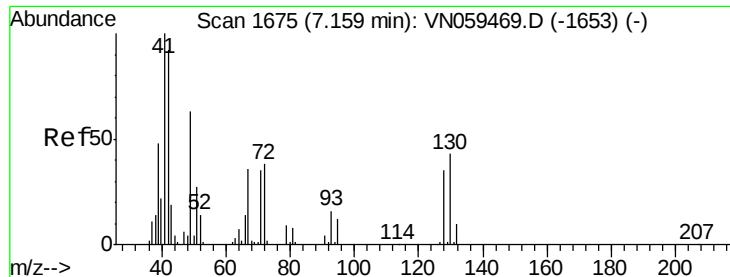
Tot Ion: 83 Resp: 108931
Ion Ratio Lower Upper
83 100
55 80.9 61.8 92.6
98 43.9 36.2 54.2



#40
Benzene
Concen: 19.187 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 78 Resp: 276650
Ion Ratio Lower Upper
78 100
77 24.0 18.2 27.2

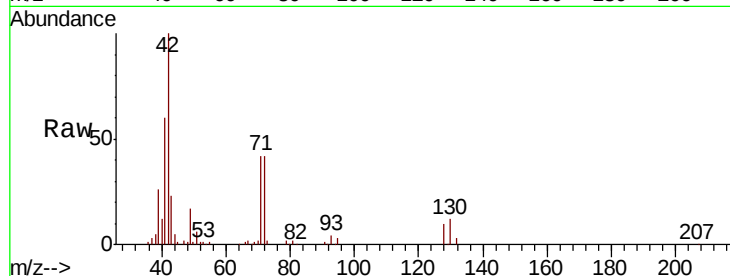




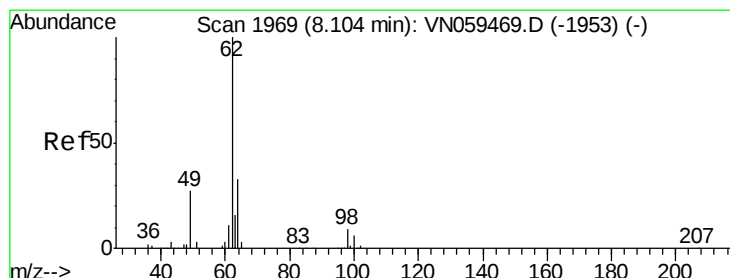
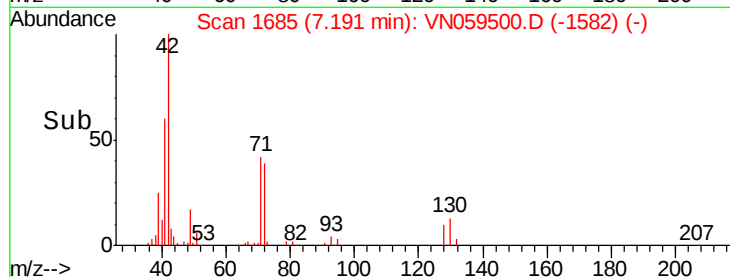
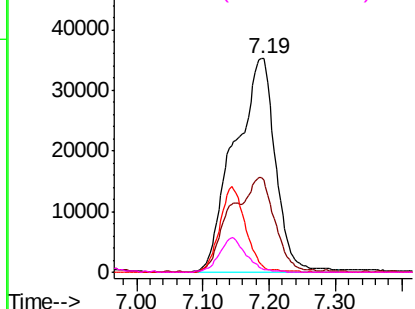
#41
Methacrylonitrile
Concen: 68.220 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

Tot Ion:	41	Resp:	152063
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

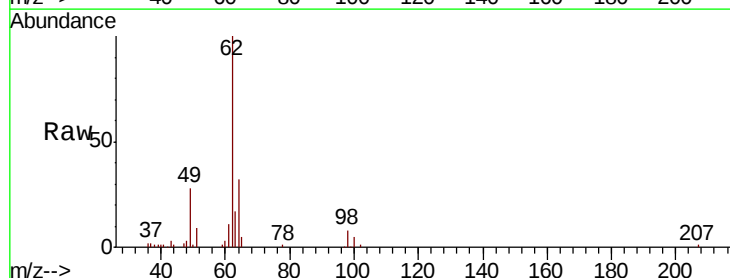


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

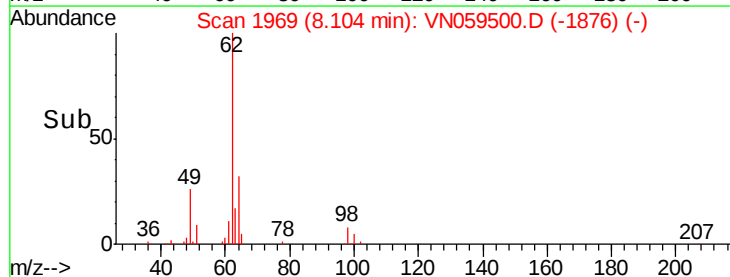
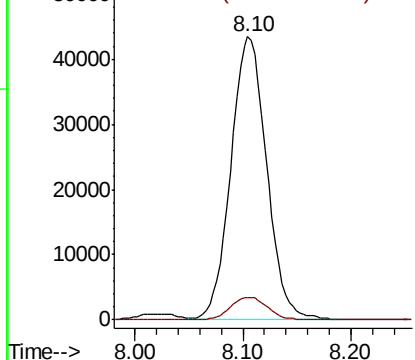


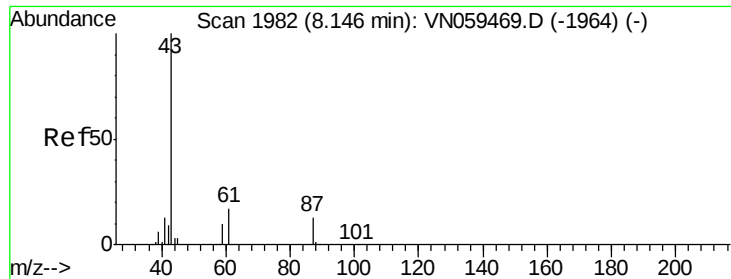
#42
1,2-Dichloroethane
Concen: 20.475 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion:	62	Resp:	100283
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 19.932 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

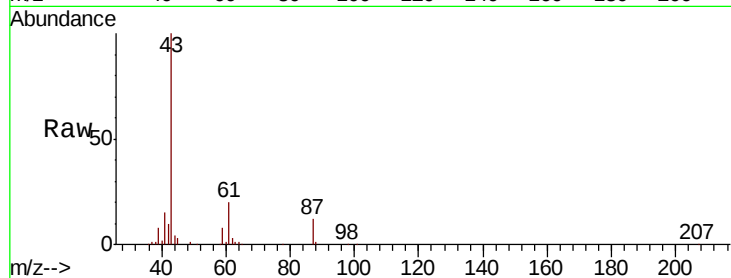
Tot Ion: 43 Resp: 163044

Ion Ratio Lower Upper

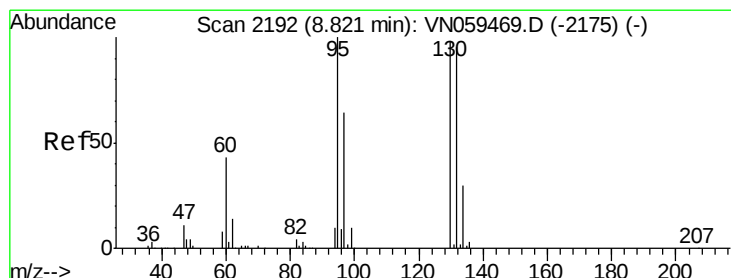
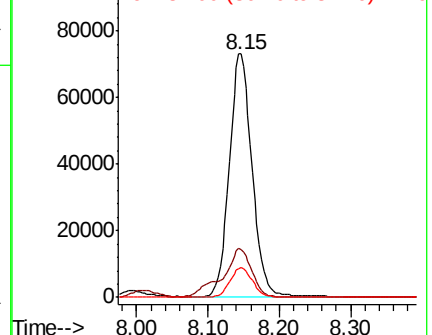
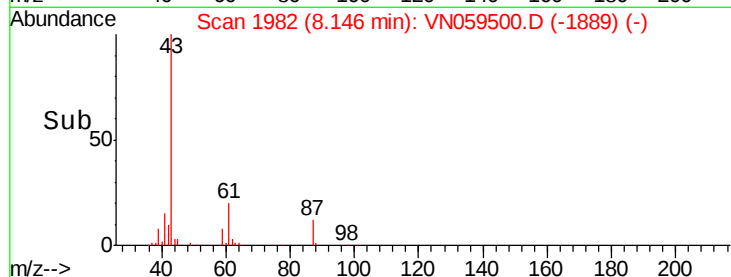
43 100

61 25.6 21.0 31.6

87 11.9 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VN059500.D (-1889) (-)



#44

Trichloroethene

Concen: 19.014 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059500.D

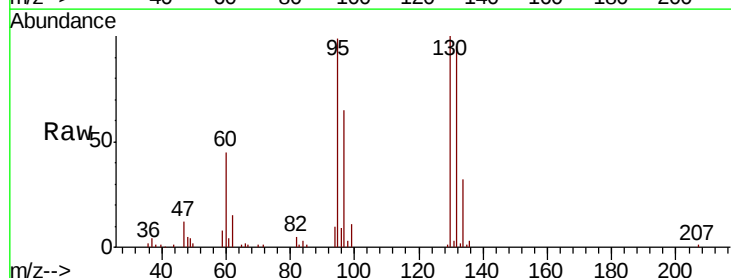
Acq: 5 Dec 2019 15:10

Tgt Ion:130 Resp: 71642

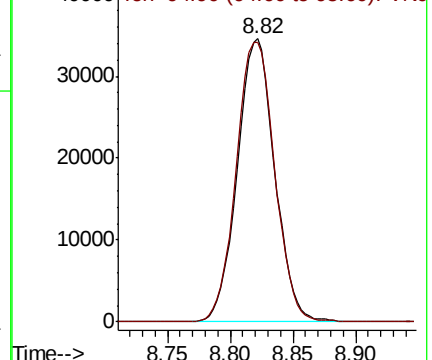
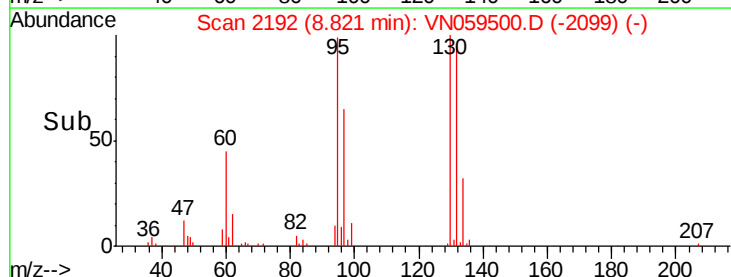
Ion Ratio Lower Upper

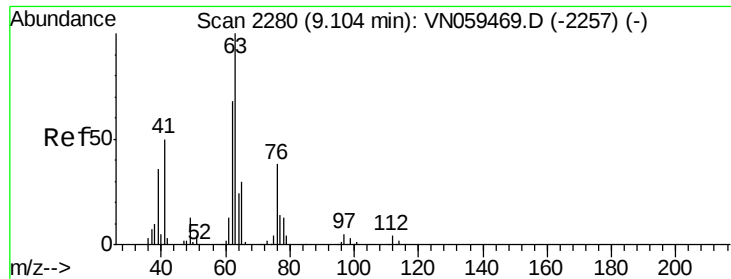
130 100

95 98.7 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN059500.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 19.383 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

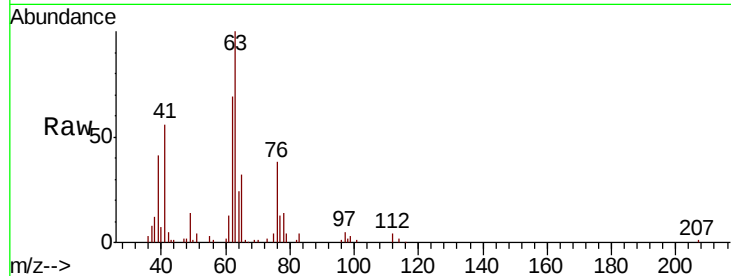
VN1205WBSD01

Tot Ion: 63 Resp: 74664

Ion Ratio Lower Upper

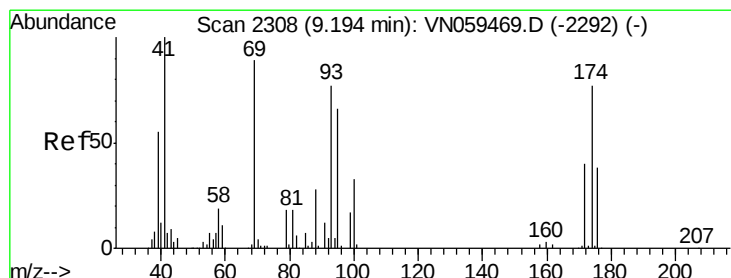
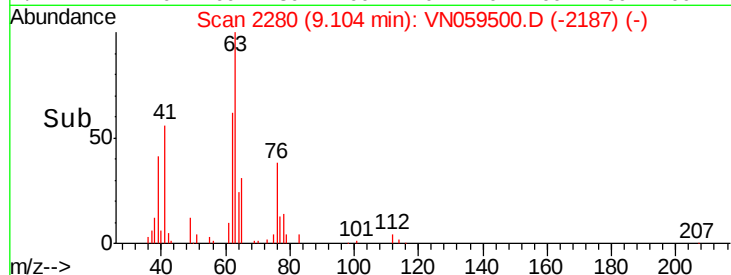
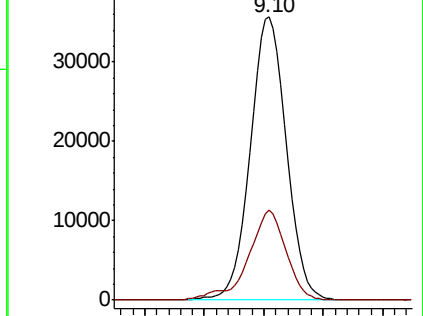
63 100

65 31.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.654 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

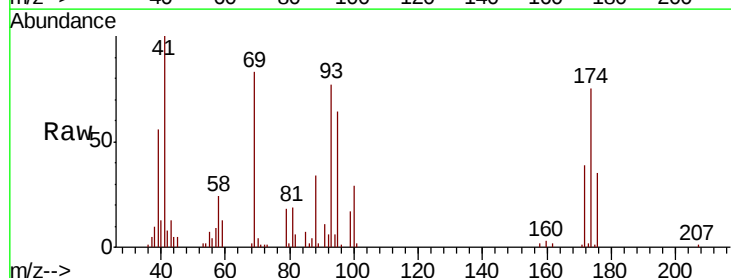
Tgt Ion: 93 Resp: 47135

Ion Ratio Lower Upper

93 100

95 82.0 67.0 100.6

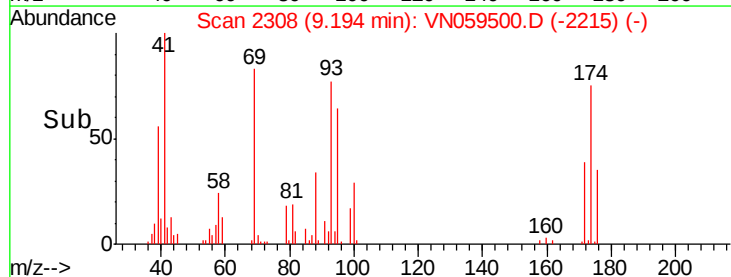
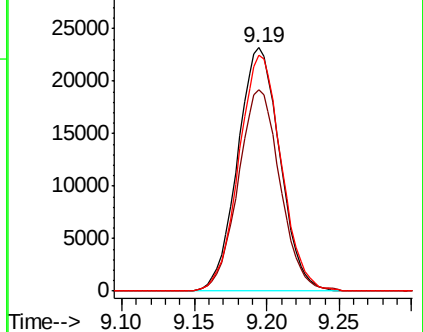
174 97.0 79.6 119.4

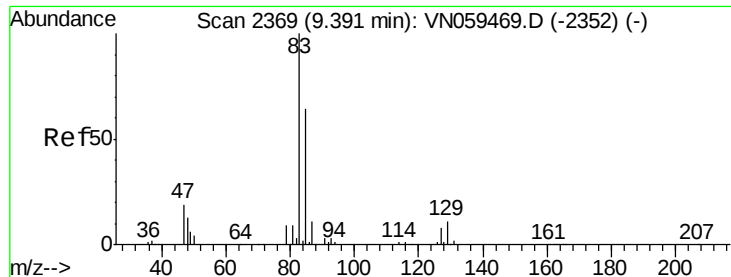


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

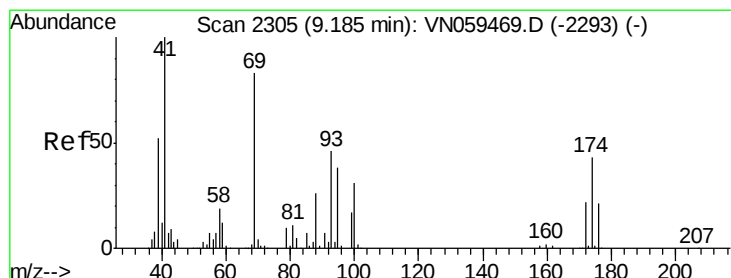
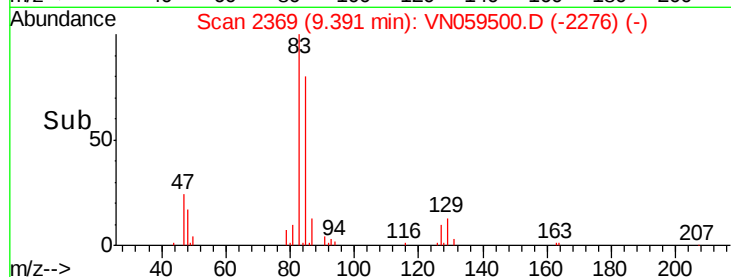
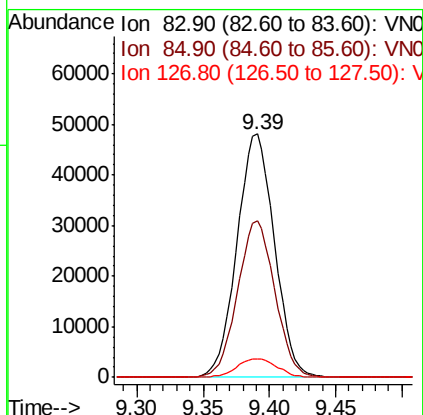
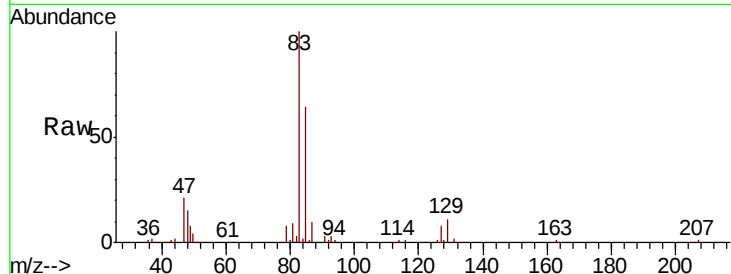




#47
Bromodichloromethane
Concen: 19.677 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

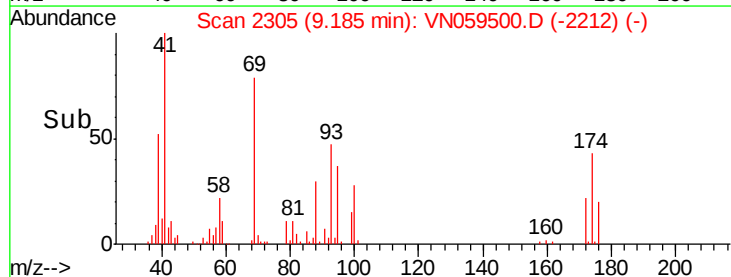
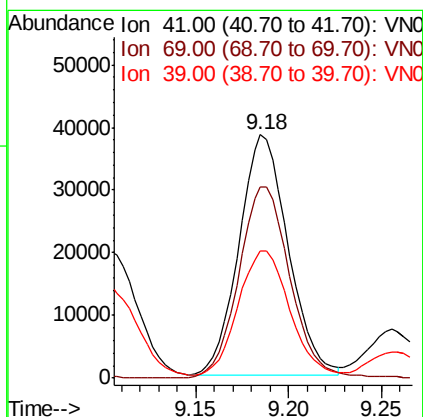
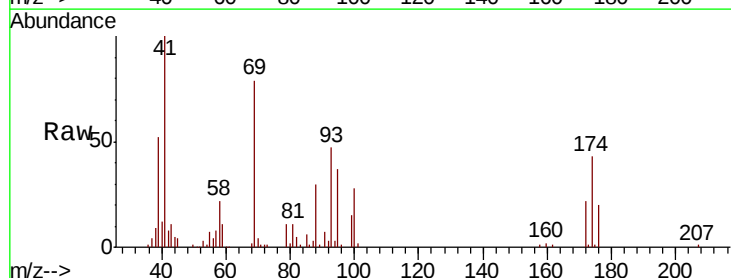
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

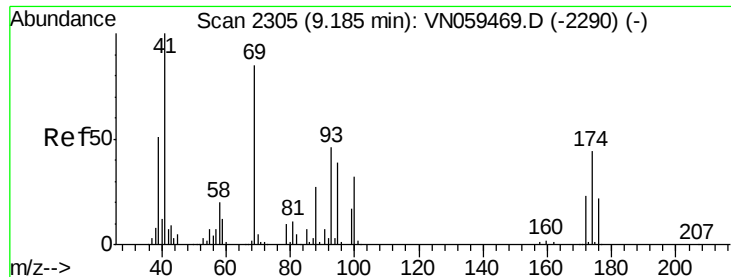
Tot Ion: 83 Resp: 94622
Ion Ratio Lower Upper
83 100
85 64.5 51.0 76.6
127 7.8 6.6 9.8



#48
Methyl methacrylate
Concen: 19.242 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 41 Resp: 71013
Ion Ratio Lower Upper
41 100
69 83.3 68.6 103.0
39 55.7 43.2 64.8

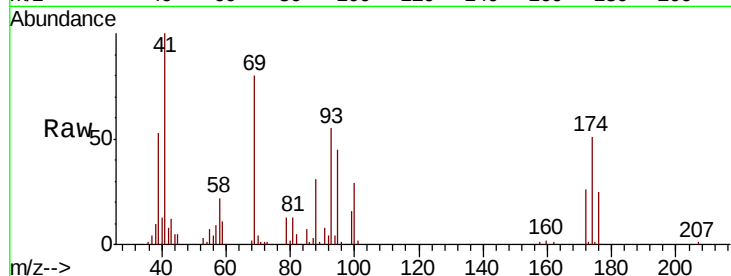




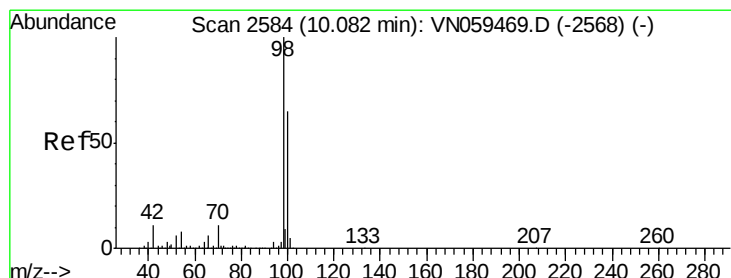
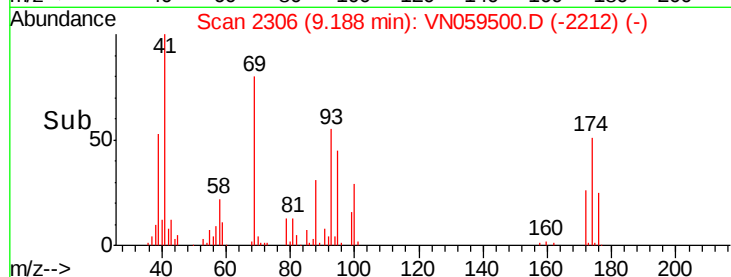
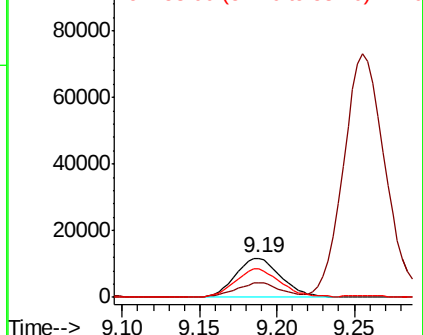
#49
1,4-Dioxane
Concen: 432.264 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

Tot Ion: 88 Resp: 24139
Ion Ratio Lower Upper
88 100
43 36.9 27.1 40.7
58 73.4 57.8 86.6

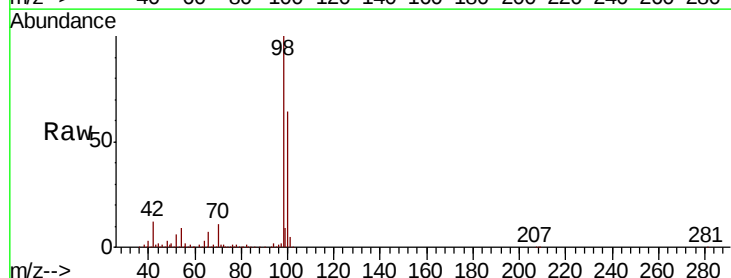


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

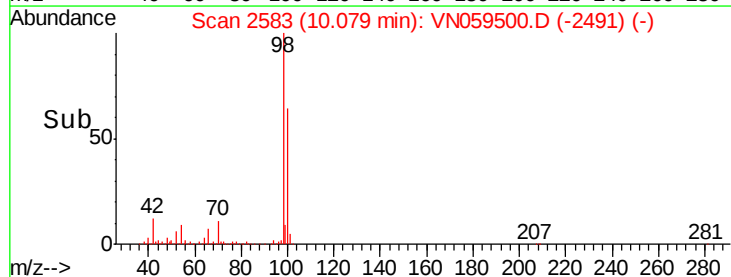
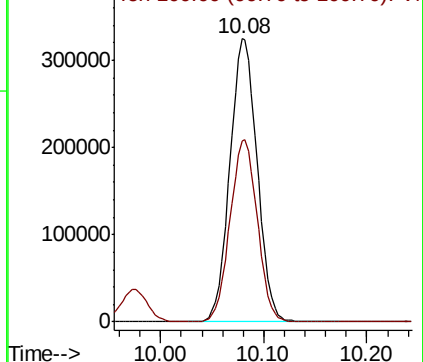


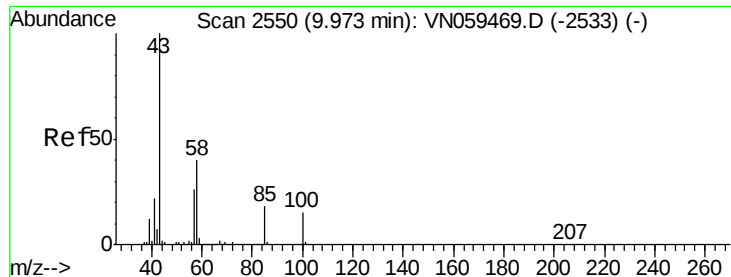
#50
Toluene-d8
Concen: 51.492 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 98 Resp: 598294
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 102.000 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

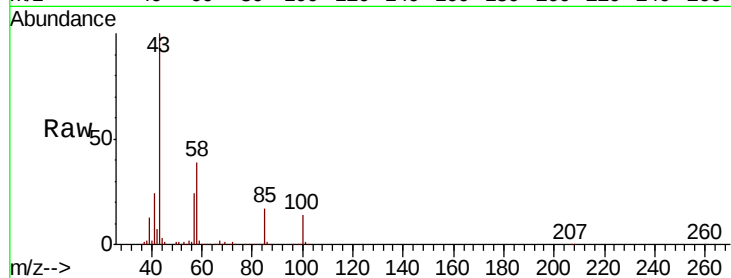
VN1205WBSD01

Tot Ion: 43 Resp: 495271

Ion Ratio Lower Upper

43 100

58 38.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN059469.D (-2533) (-)

9.97

250000

200000

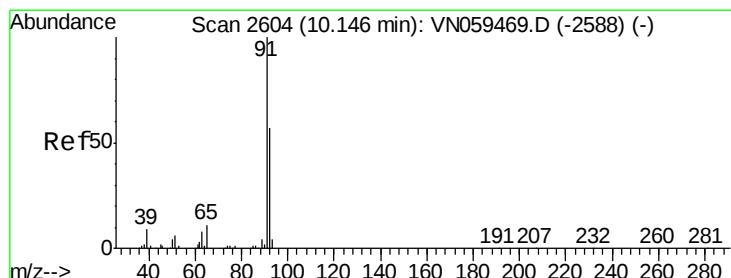
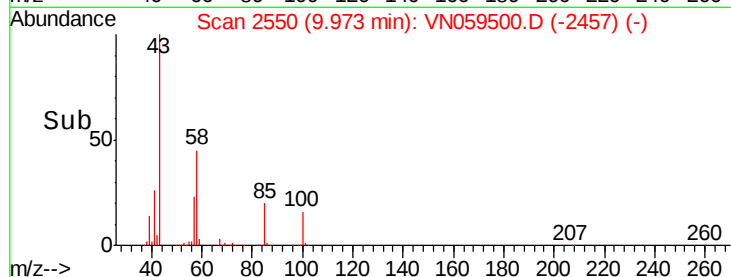
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.378 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059500.D

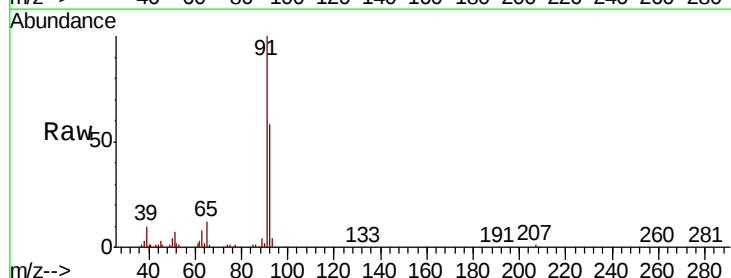
Acq: 5 Dec 2019 15:10

Tgt Ion: 92 Resp: 168982

Ion Ratio Lower Upper

92 100

91 173.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN059469.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059469.D (-2588) (-)

10.15

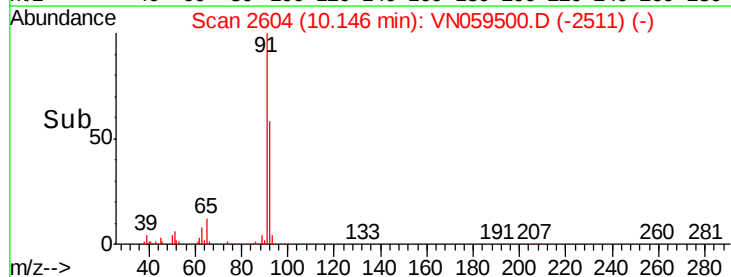
150000

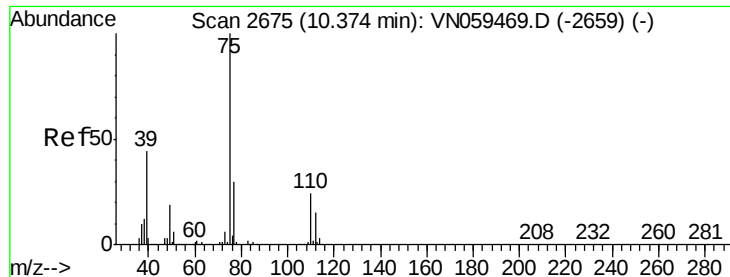
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.771 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

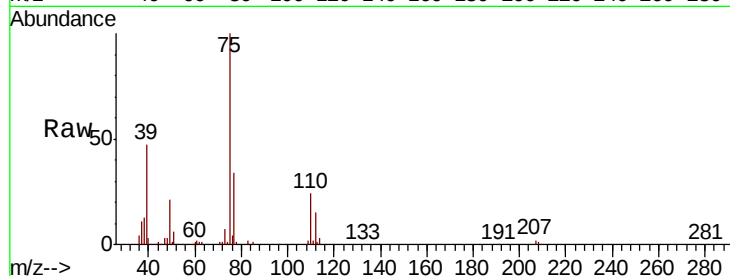
VN1205WBSD01

Tot Ion: 75 Resp: 106216

Ion Ratio Lower Upper

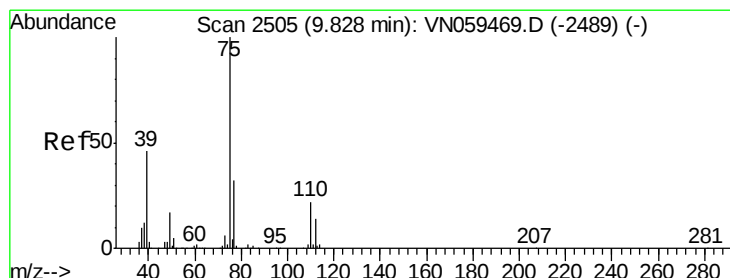
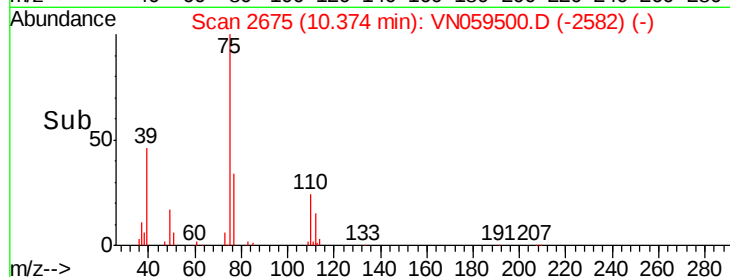
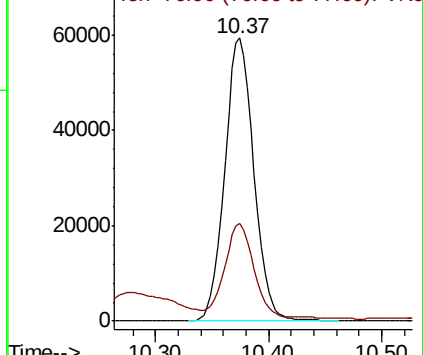
75 100

77 33.4 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.357 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

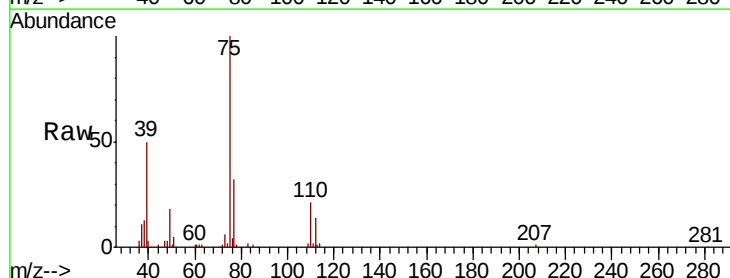
Tgt Ion: 75 Resp: 116098

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

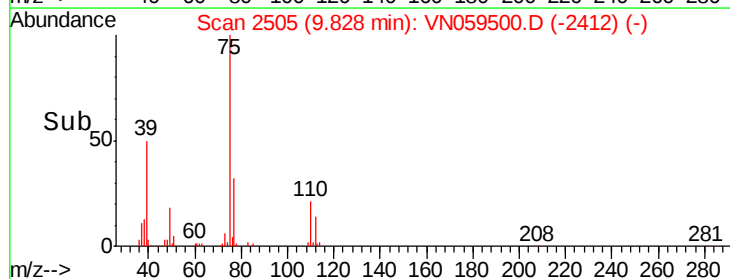
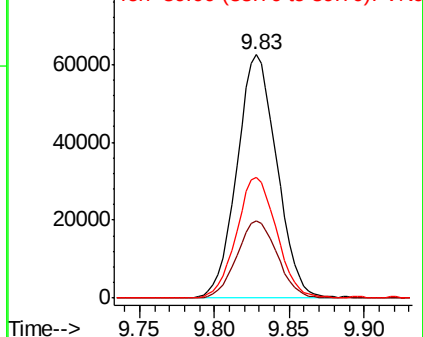
39 49.5 36.6 54.8

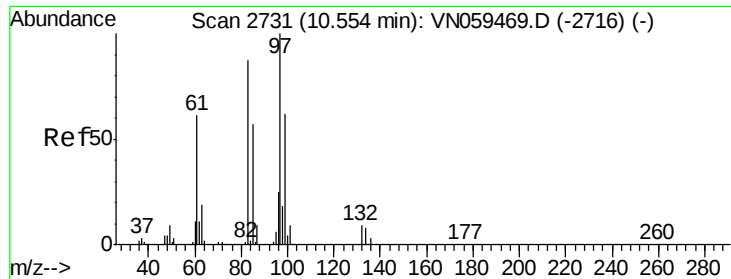


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

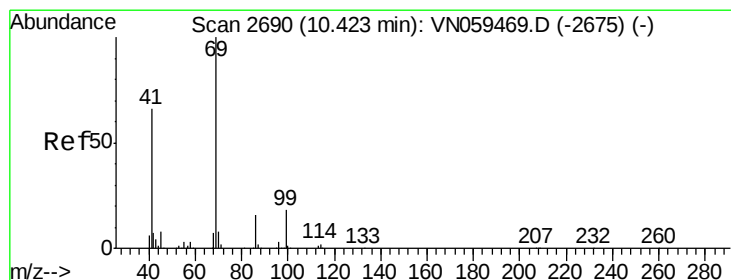
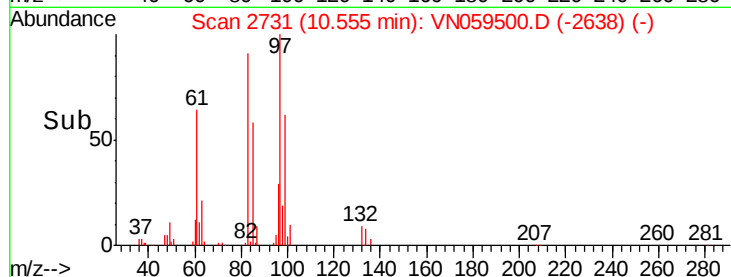
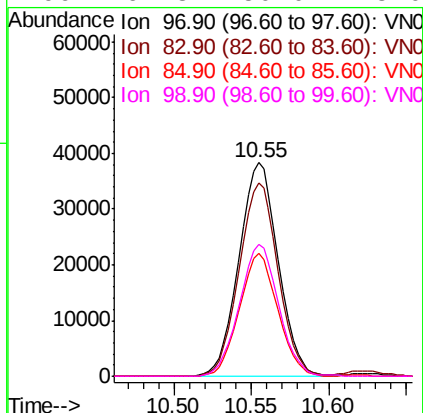
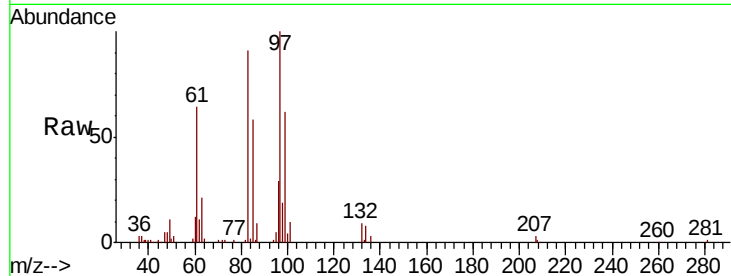




#55
 1,1,2-Trichloroethane
 Concen: 19.716 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059500.D
 Acq: 5 Dec 2019 15:10

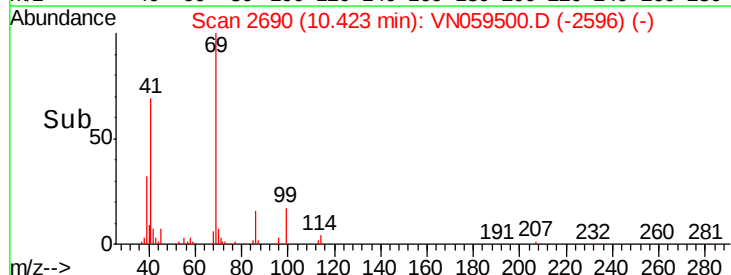
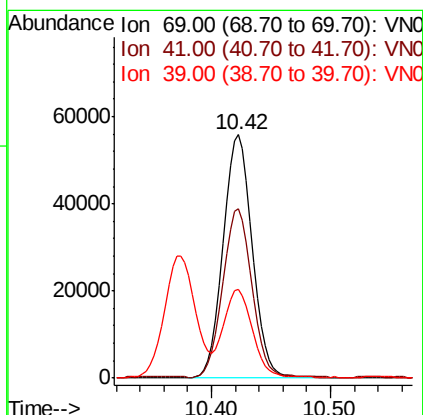
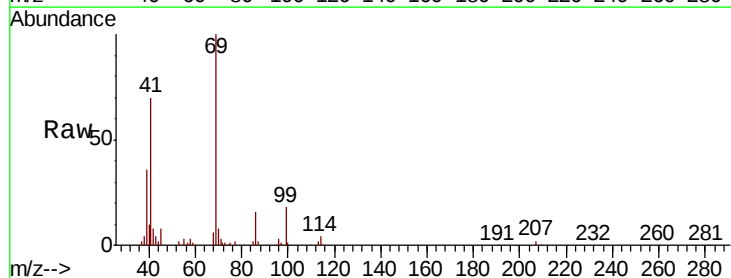
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

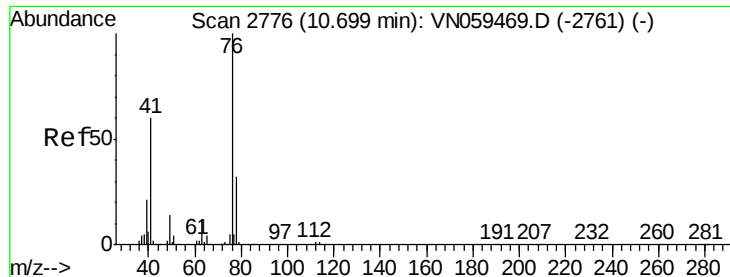
Tot Ion: 97 Resp: 67775
 Ion Ratio Lower Upper
 97 100
 83 90.5 69.8 104.8
 85 57.6 45.5 68.3
 99 61.8 50.0 75.0



#56
 Ethyl methacrylate
 Concen: 18.013 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059500.D
 Acq: 5 Dec 2019 15:10

Tgt Ion: 69 Resp: 94922
 Ion Ratio Lower Upper
 69 100
 41 69.4 52.7 79.1
 39 36.1 25.0 37.6





#57

1,3-Dichloropropane

Concen: 19.677 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

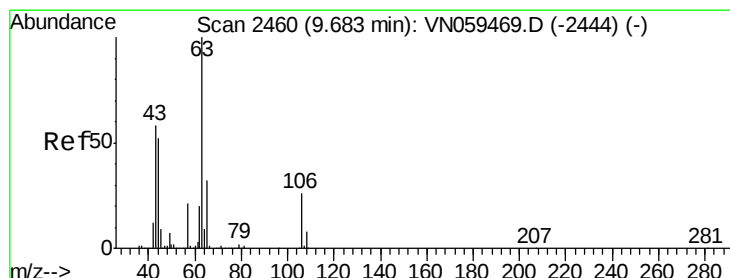
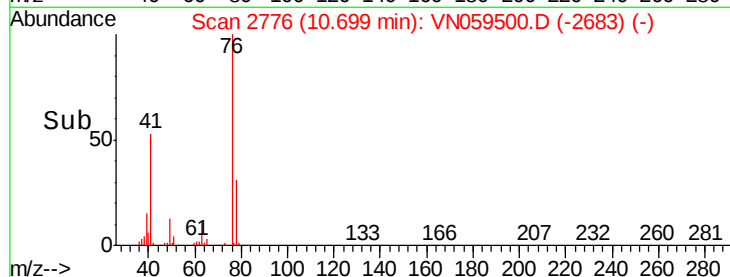
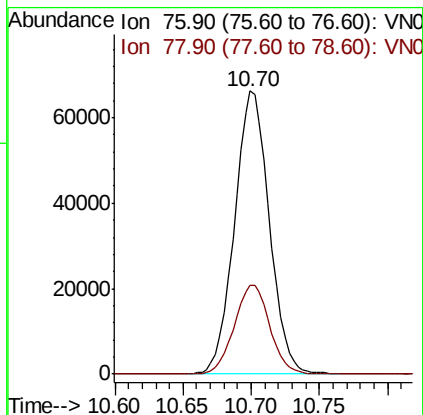
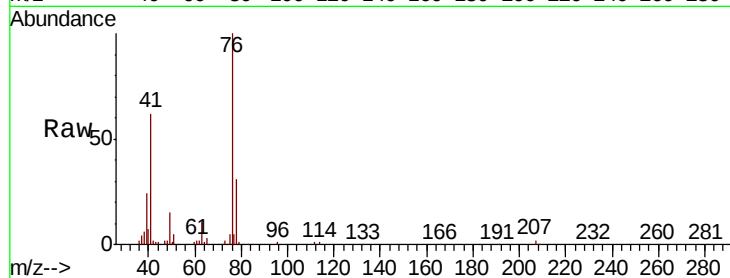
VN1205WBSD01

Tot Ion: 76 Resp: 116975

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 92.258 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059500.D

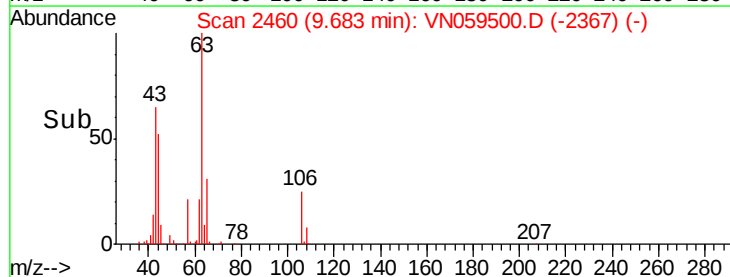
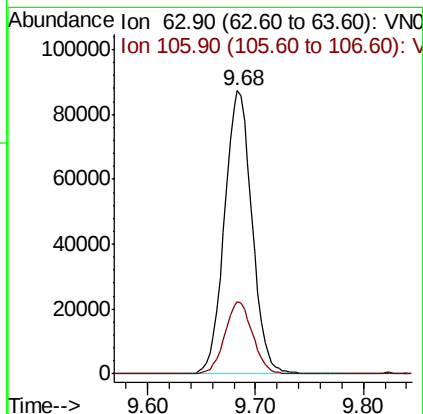
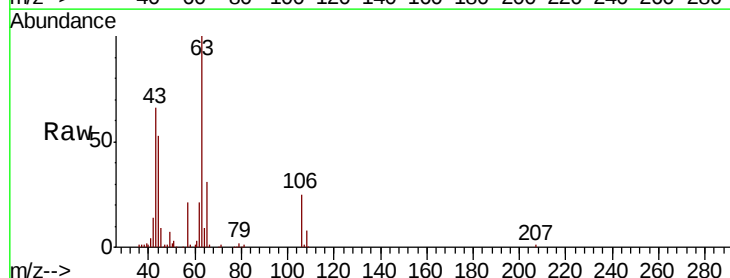
Acq: 5 Dec 2019 15:10

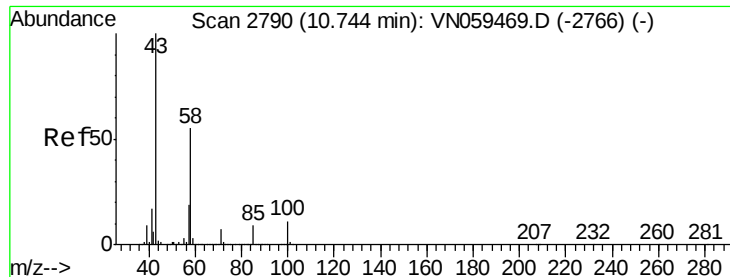
Tgt Ion: 63 Resp: 154906

Ion Ratio Lower Upper

63 100

106 25.5 20.4 30.6

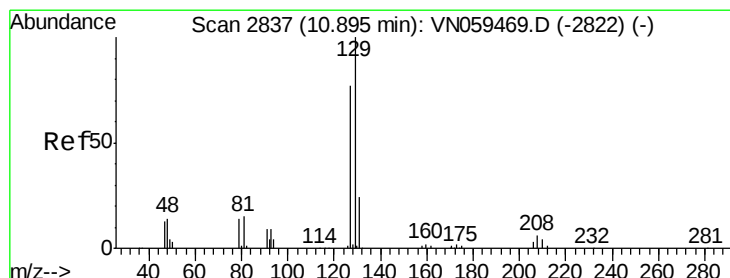
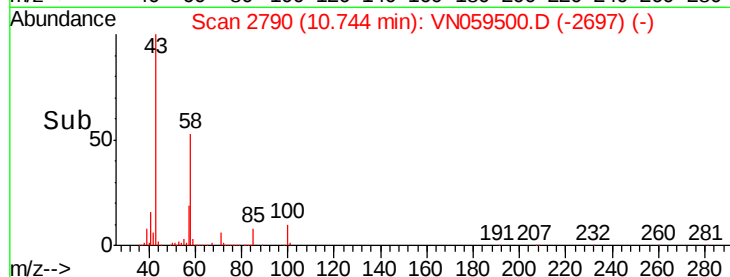
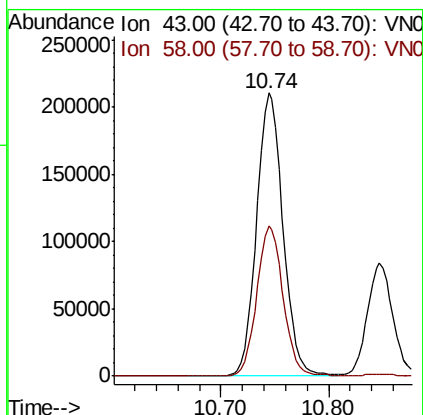
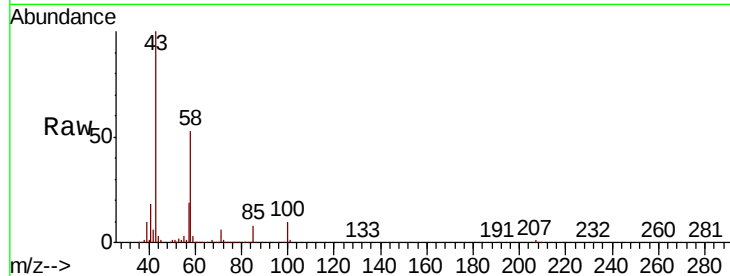




#59
2-Hexanone
Concen: 97.789 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

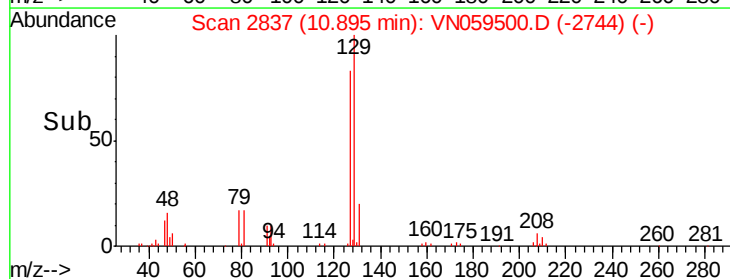
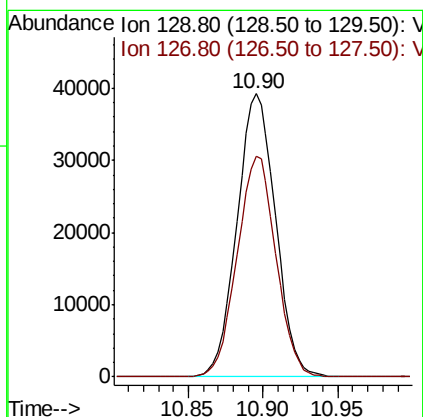
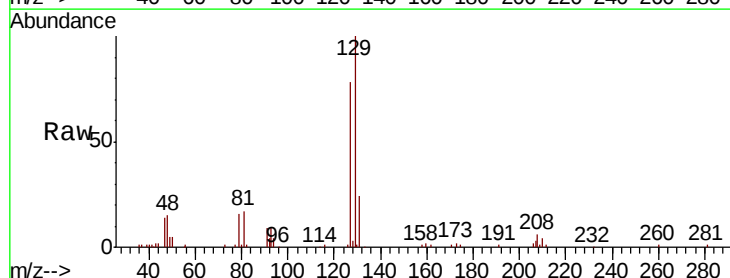
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

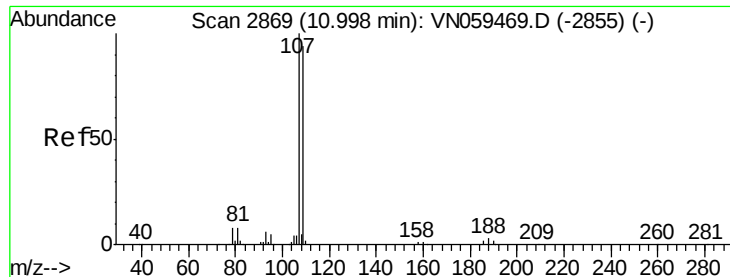
Tot Ion: 43 Resp: 357340
Ion Ratio Lower Upper
43 100
58 52.9 27.7 83.0



#60
Dibromochloromethane
Concen: 19.159 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 129 Resp: 70322
Ion Ratio Lower Upper
129 100
127 78.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.293 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

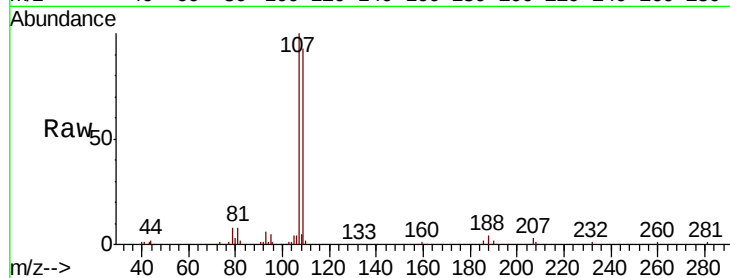
VN1205WBSD01

Tot Ion:107 Resp: 68529

Ion Ratio Lower Upper

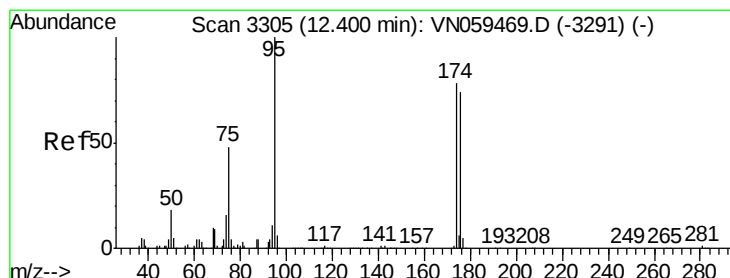
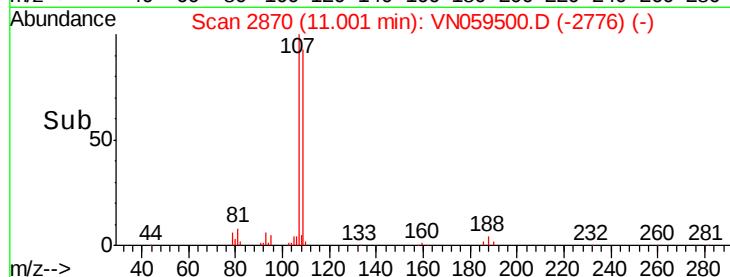
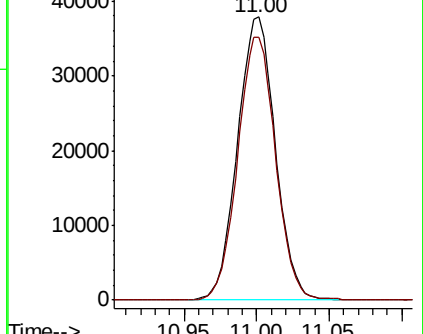
107 100

109 93.2 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.306 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

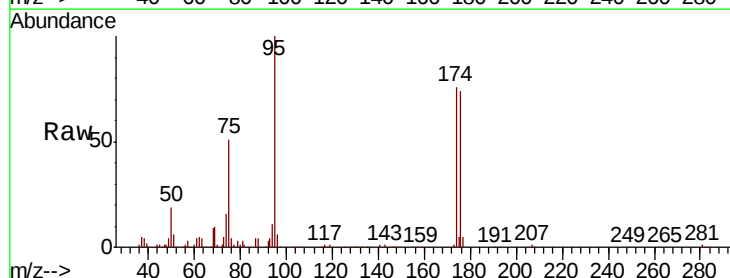
Tgt Ion: 95 Resp: 208185

Ion Ratio Lower Upper

95 100

174 76.7 0.0 157.0

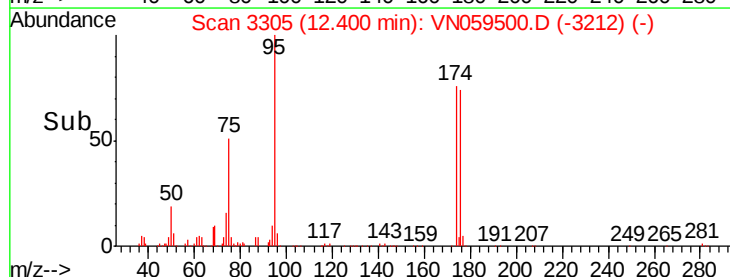
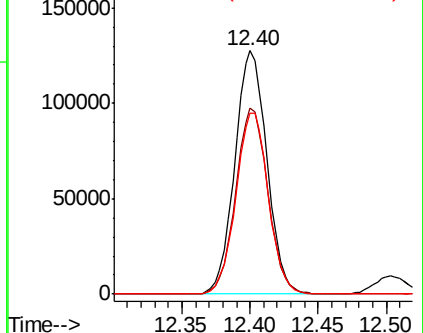
176 75.2 0.0 152.4

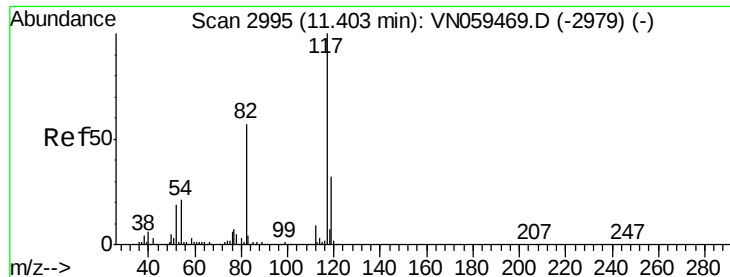


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

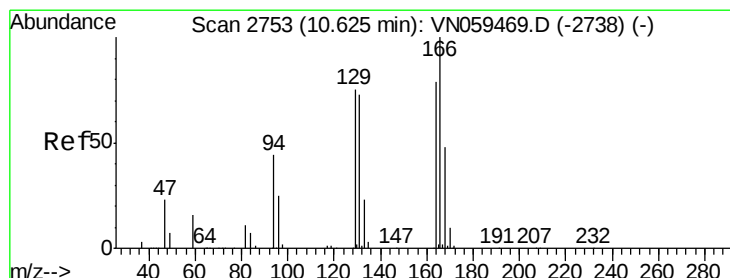
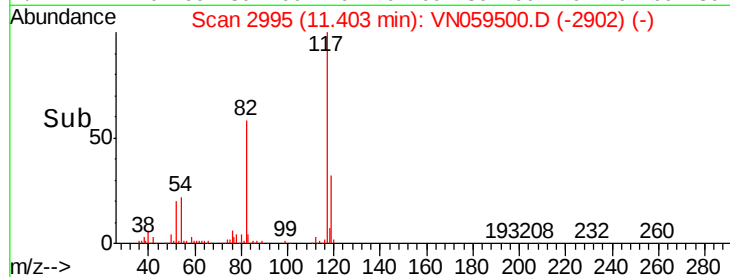
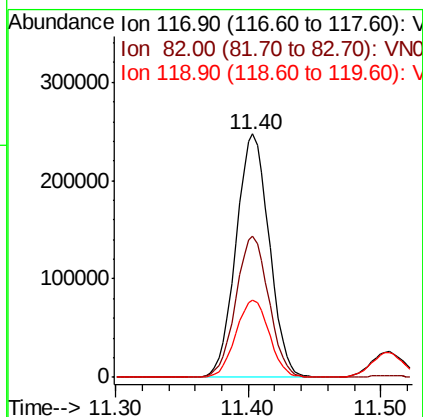
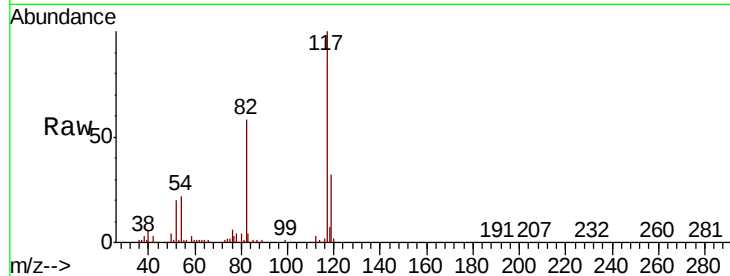




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

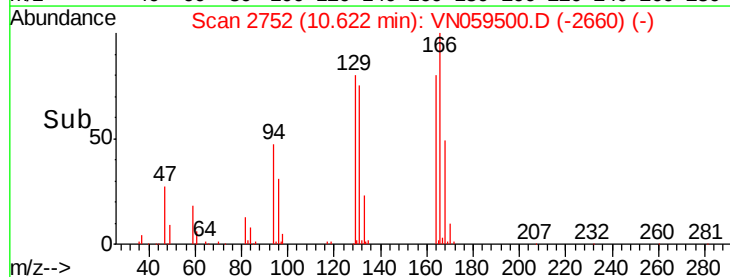
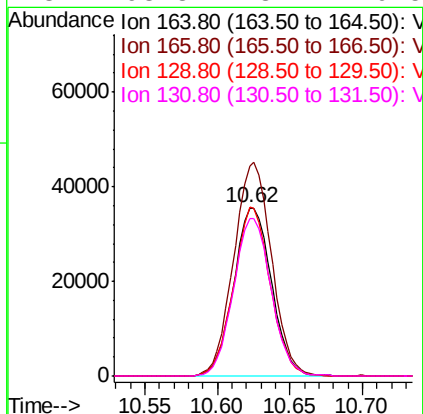
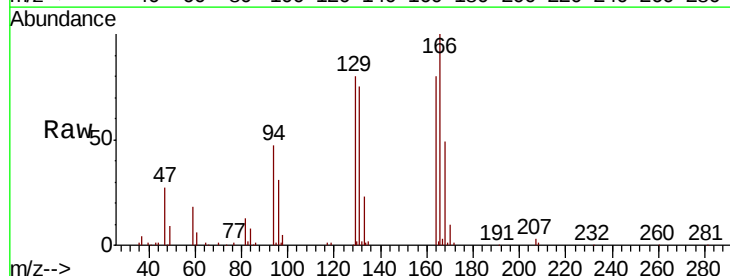
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

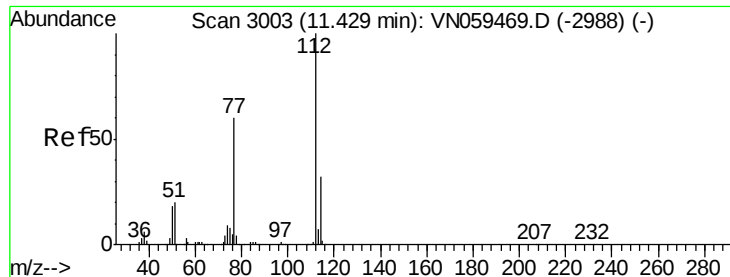
Tot Ion:117 Resp: 430880
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.8
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 17.609 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion:164 Resp: 64541
Ion Ratio Lower Upper
164 100
166 125.2 101.2 151.8
129 100.4 76.1 114.1
131 93.8 73.7 110.5





#65

Chlorobenzene

Concen: 18.854 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

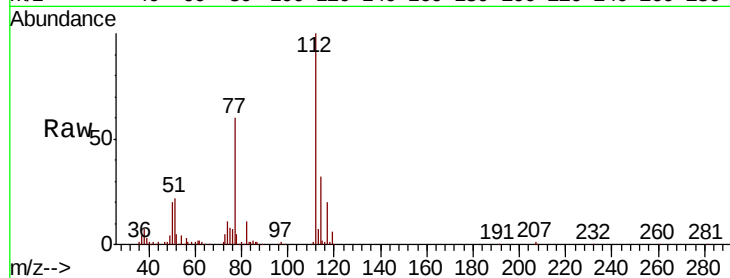
VN1205WBSD01

Tot Ion:112 Resp: 177597

Ion Ratio Lower Upper

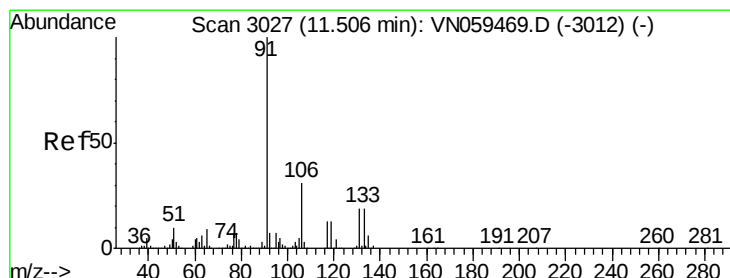
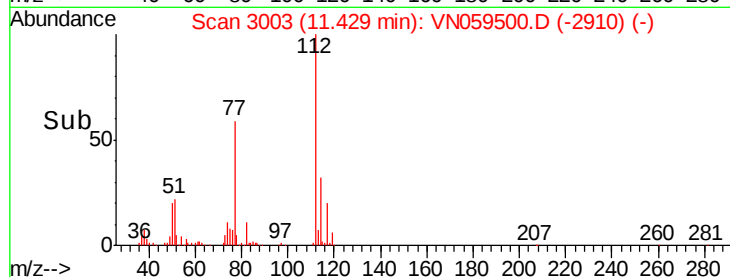
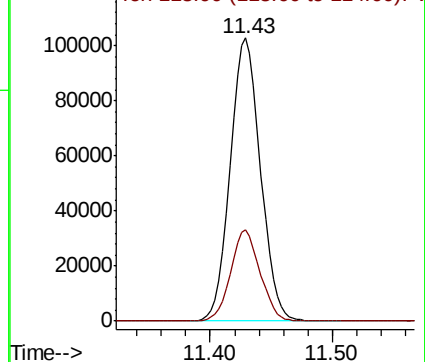
112 100

114 32.4 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.533 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

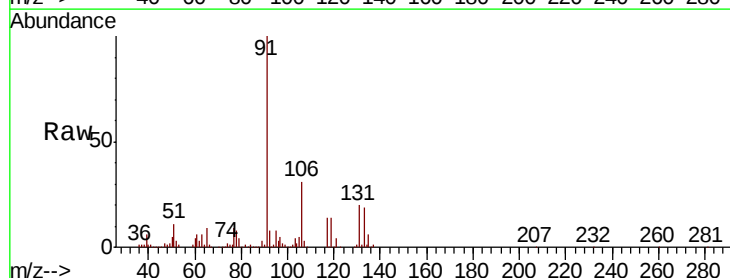
Tgt Ion:131 Resp: 66111

Ion Ratio Lower Upper

131 100

133 97.3 48.0 144.0

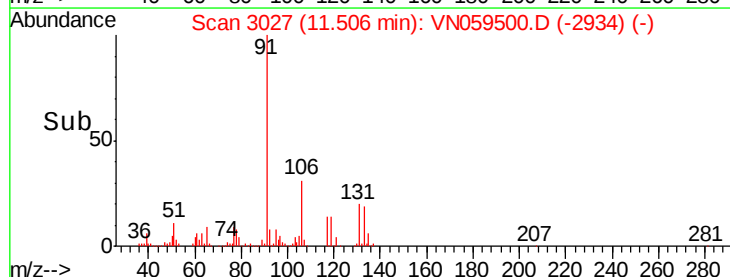
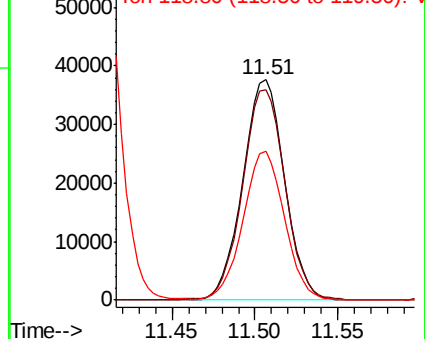
119 67.1 33.9 101.6

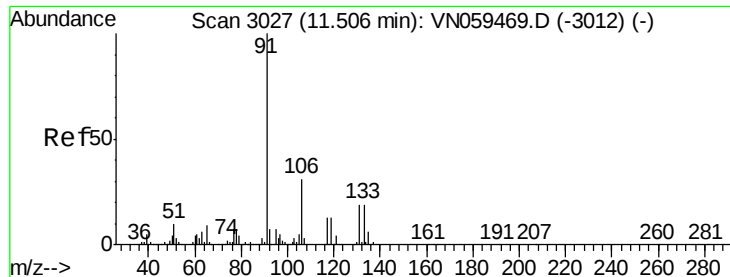


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.000 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

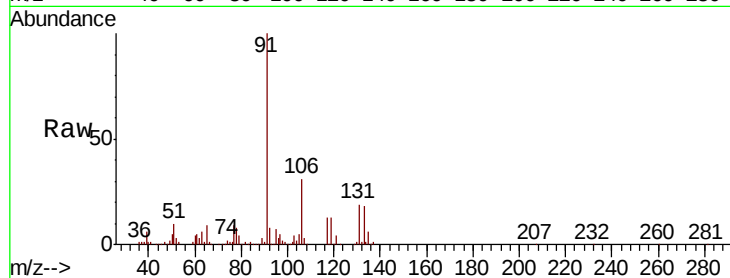
VN1205WBSD01

Tot Ion: 91 Resp: 313562

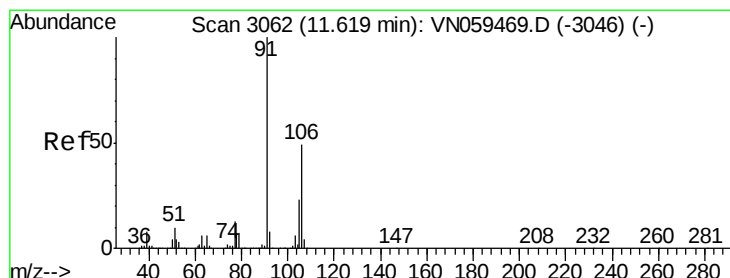
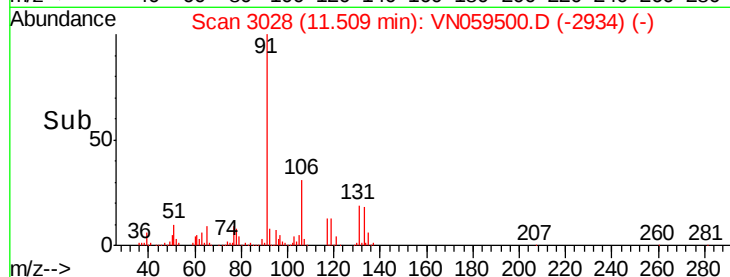
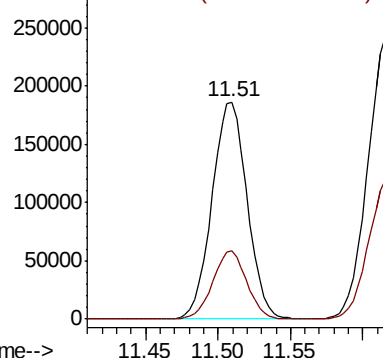
Ion Ratio Lower Upper

91 100

106 31.4 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN059469.D (-3012) (-)



#68

m/p-Xylenes

Concen: 38.426 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059500.D

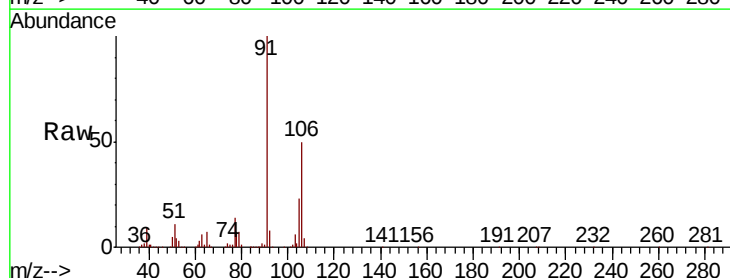
Acq: 5 Dec 2019 15:10

Tgt Ion: 106 Resp: 236132

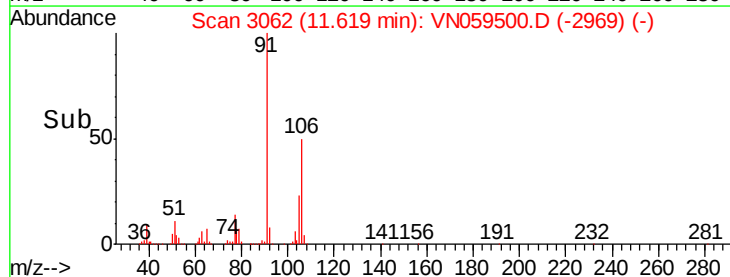
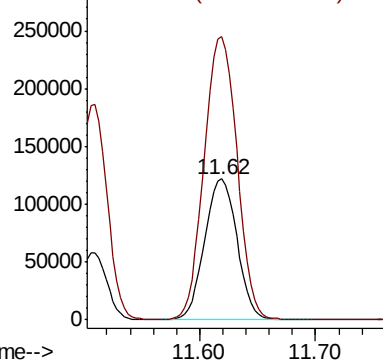
Ion Ratio Lower Upper

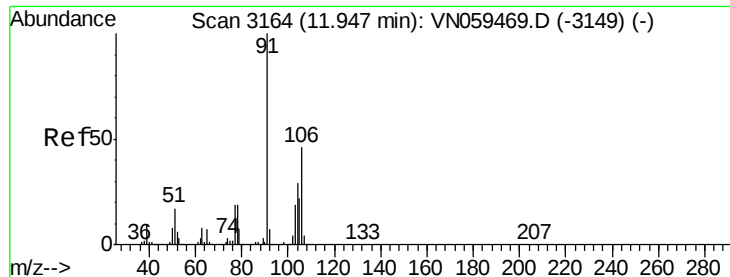
106 100

91 203.9 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN059469.D (-3046) (-)

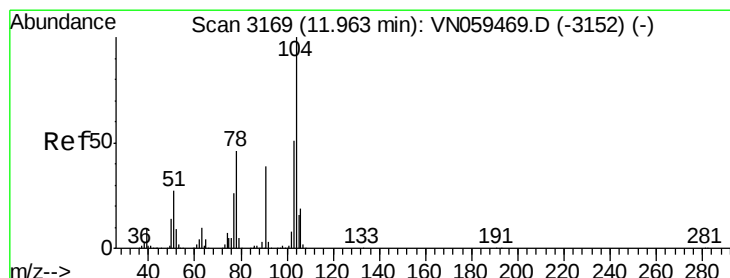
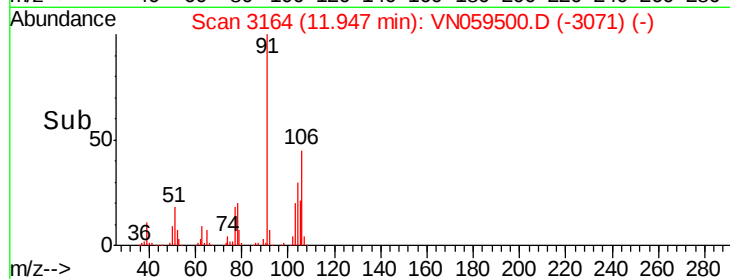
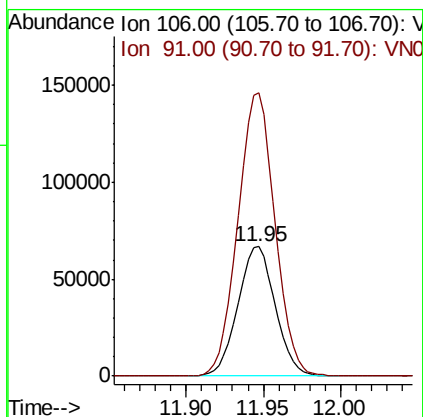
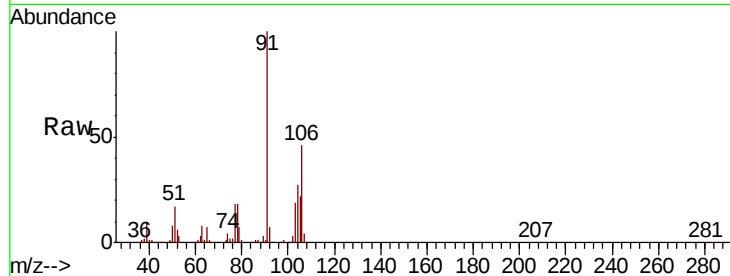




#69
o-Xylene
Concen: 19.172 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

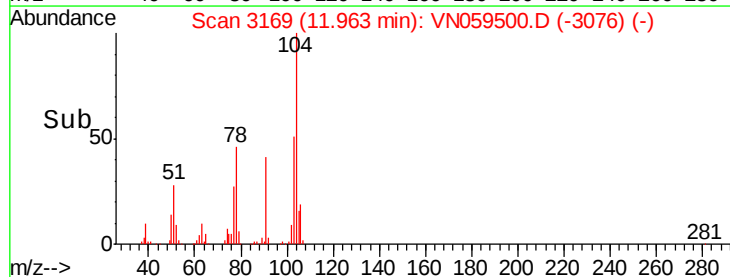
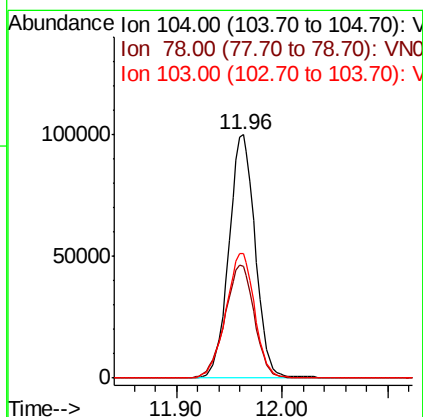
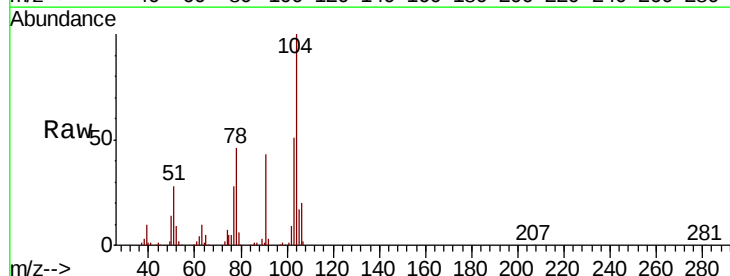
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

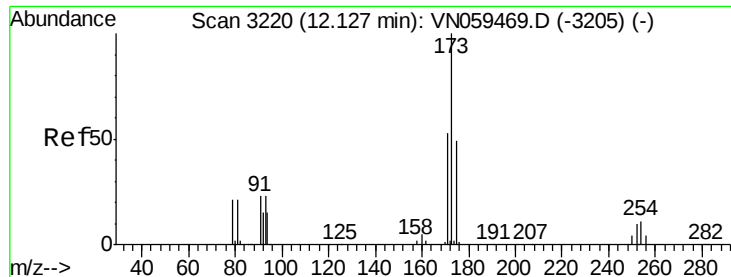
Tot Ion:106 Resp: 112162
Ion Ratio Lower Upper
106 100
91 217.1 108.5 325.3



#70
Styrene
Concen: 18.476 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion:104 Resp: 172552
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 55.8 44.7 67.1





#71

Bromoform

Concen: 18.781 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

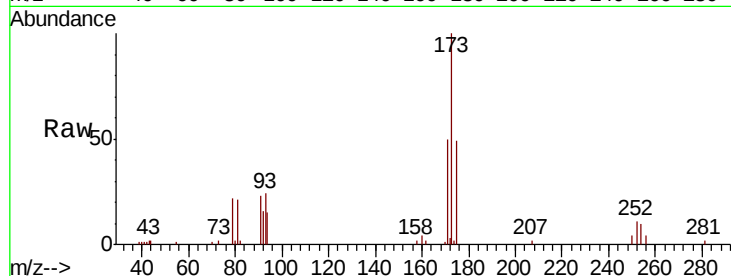
Tot Ion:173 Resp: 49548

Ion Ratio Lower Upper

173 100

175 50.3 24.3 73.0

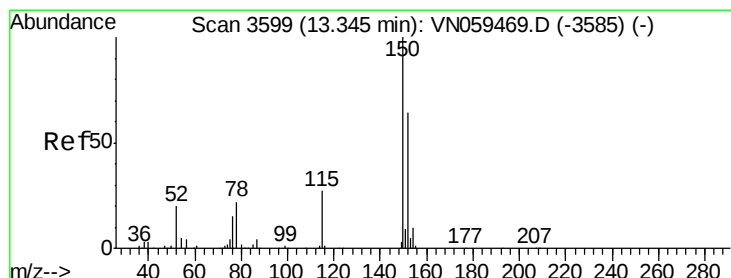
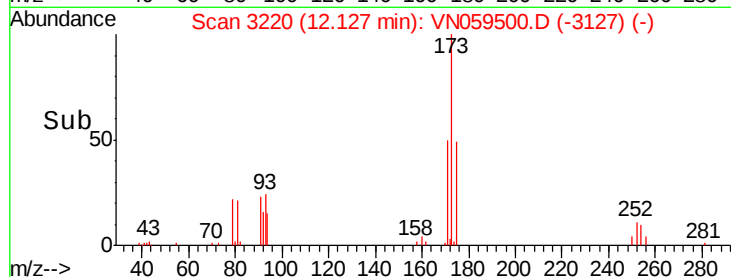
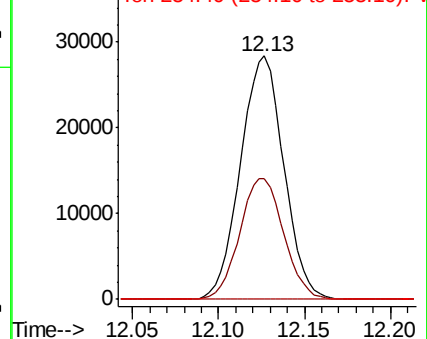
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

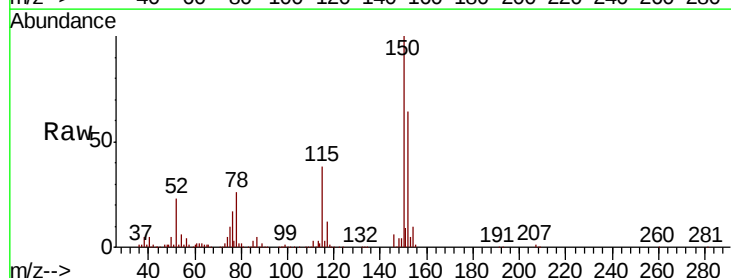
Tgt Ion:152 Resp: 195205

Ion Ratio Lower Upper

152 100

115 59.6 29.2 87.6

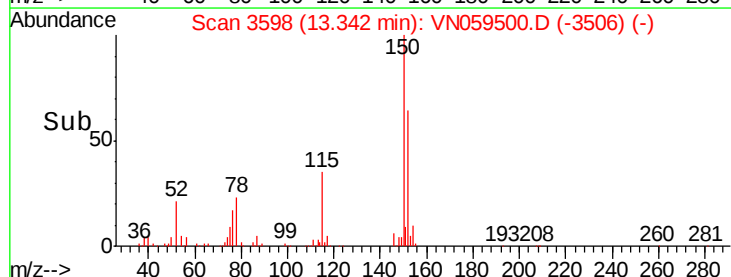
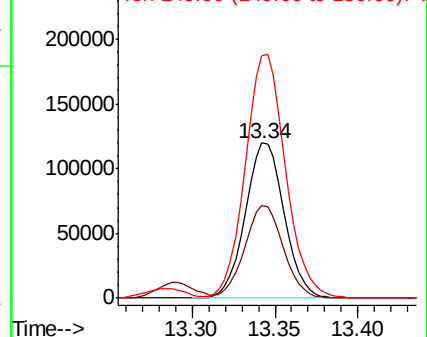
150 162.6 0.0 352.8

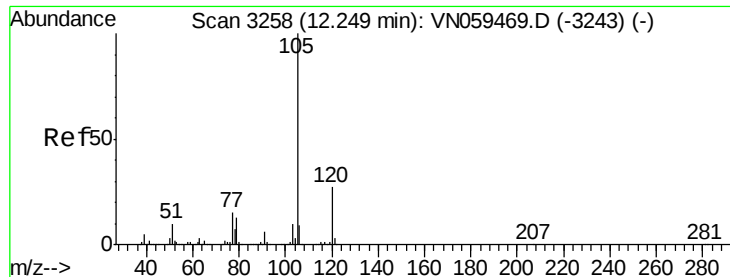


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.141 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

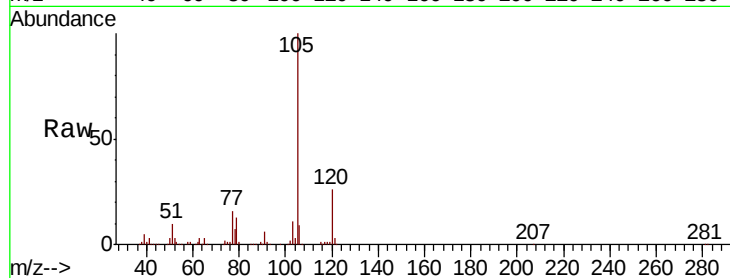
VN1205WBSD01

Tot Ion:105 Resp: 299654

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

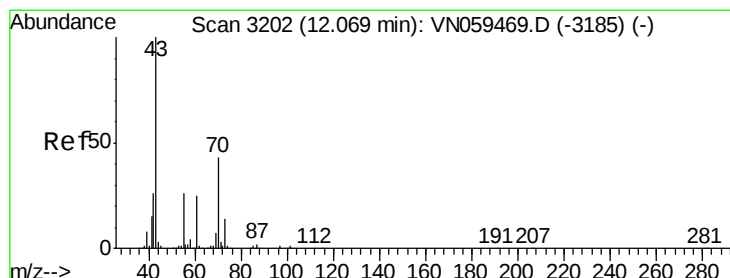
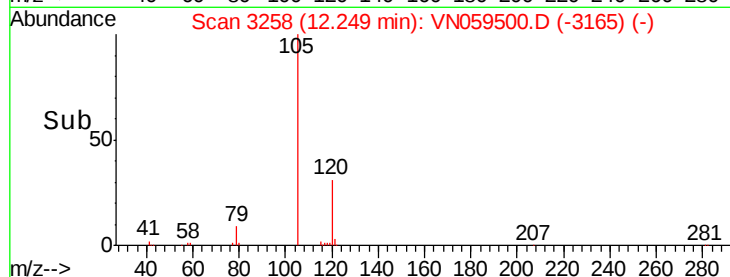
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 18.762 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Tgt Ion: 43 Resp: 118307

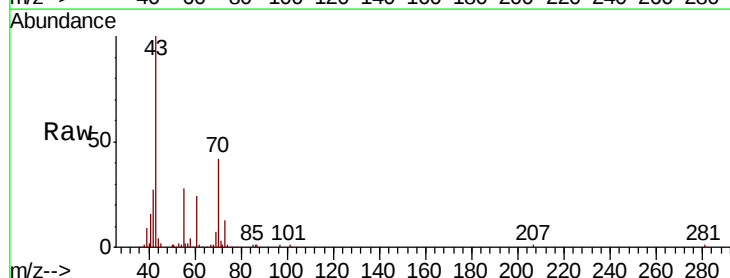
Ion Ratio Lower Upper

43 100

70 41.1 34.2 51.2

55 27.5 20.6 31.0

61 23.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

40000

20000

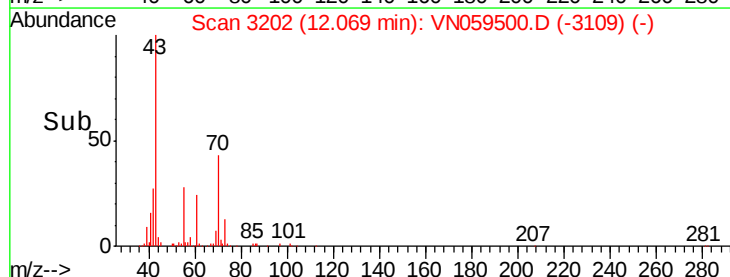
0

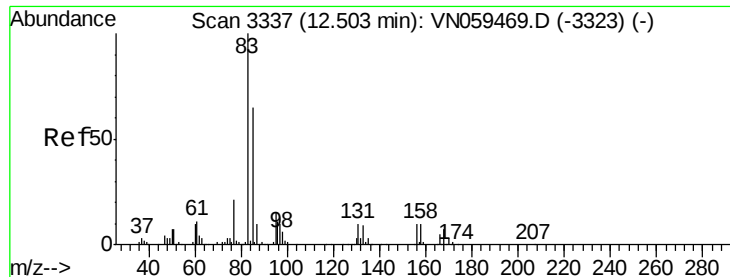
12.00

12.07

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.040 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

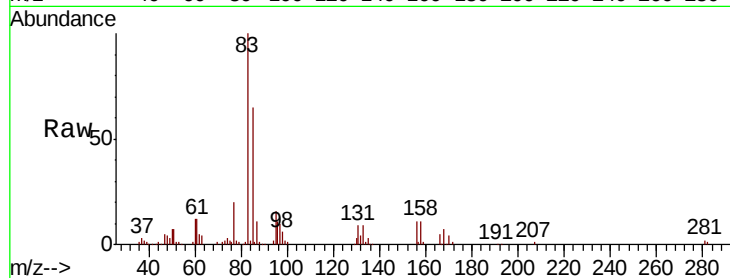
Tot Ion: 83 Resp: 100633

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

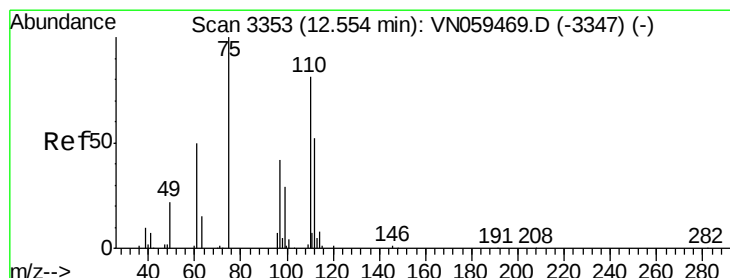
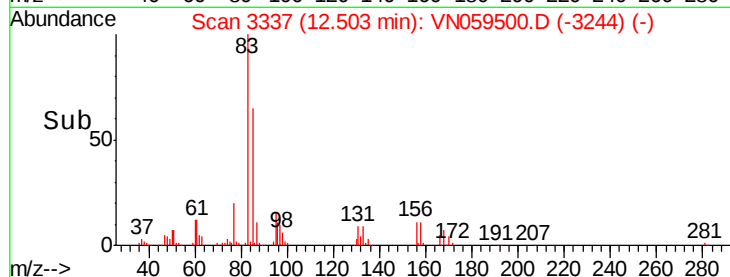
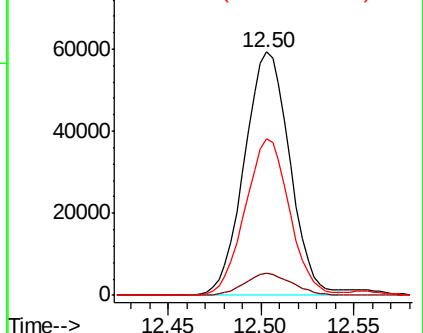
85 63.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN059469.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059469.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059469.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 27.134 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059500.D

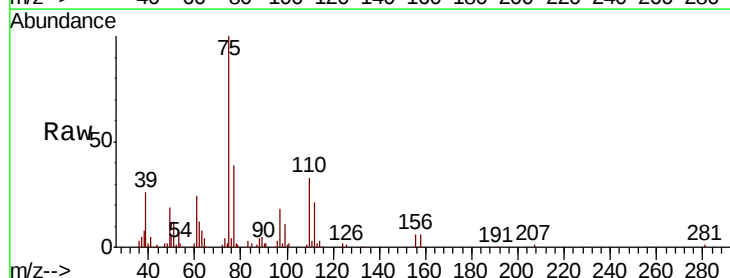
Acq: 5 Dec 2019 15:10

Tgt Ion: 75 Resp: 131699

Ion Ratio Lower Upper

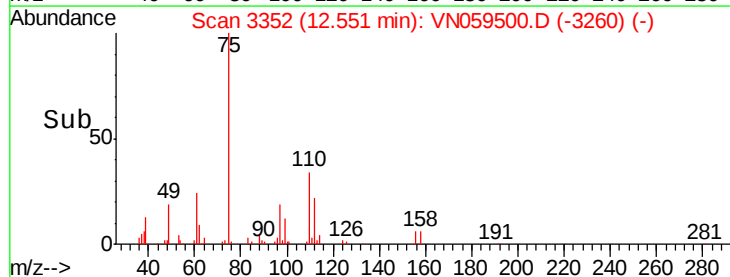
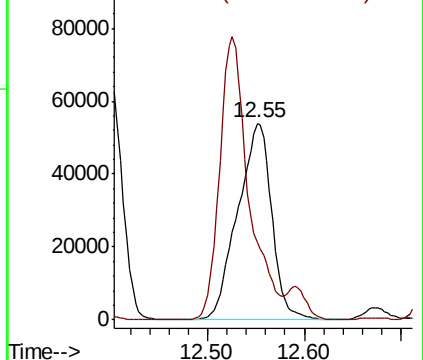
75 100

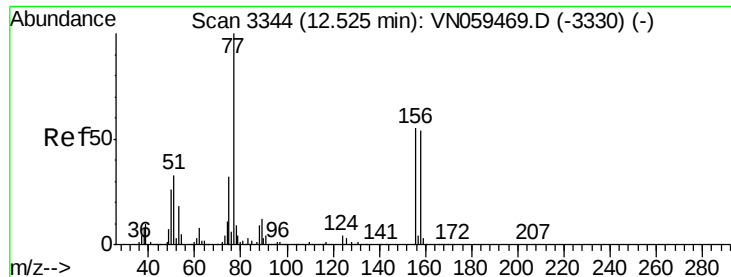
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059469.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059469.D (-3347) (-)





#77

Bromobenzene

Concen: 18.703 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampled :

VN1205WBSD01

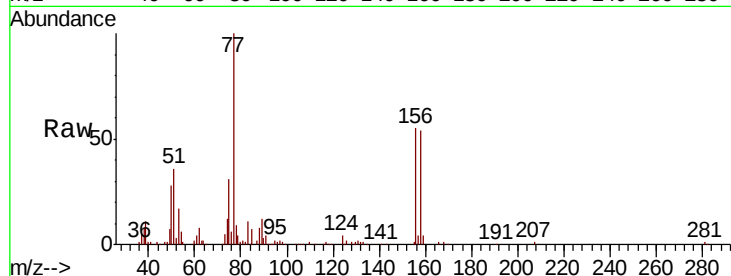
Tot Ion:156 Resp: 73168

Ion Ratio Lower Upper

156 100

77 221.9 110.3 331.0

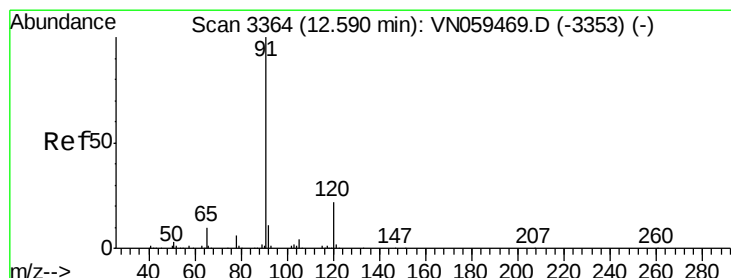
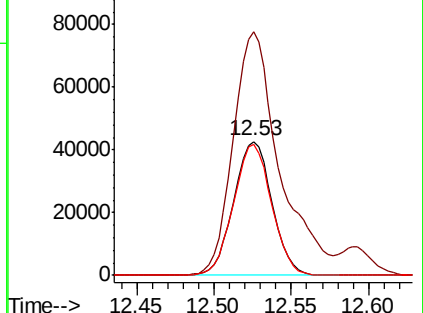
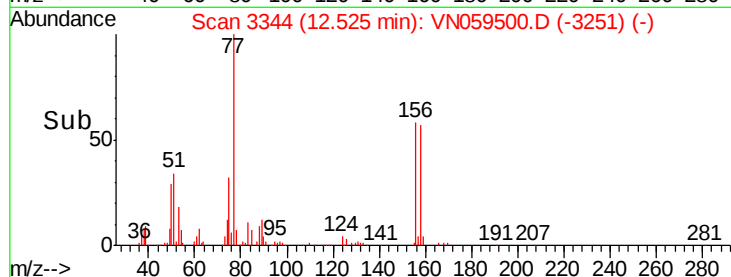
158 97.3 48.5 145.5



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: 18.976 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059500.D

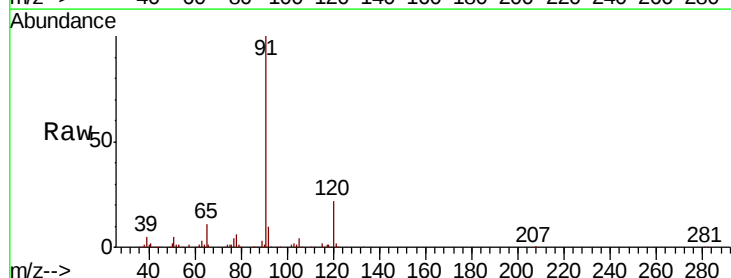
Acq: 5 Dec 2019 15:10

Tgt Ion: 91 Resp: 345696

Ion Ratio Lower Upper

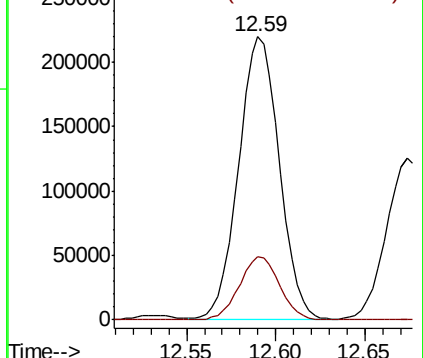
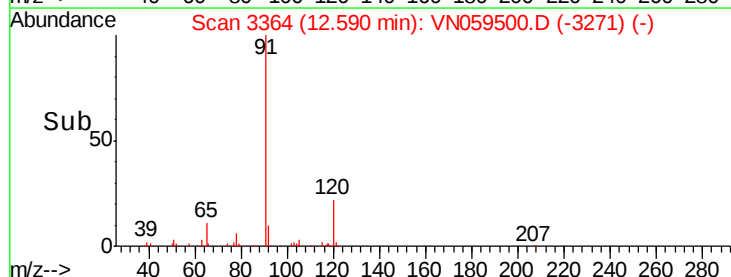
91 100

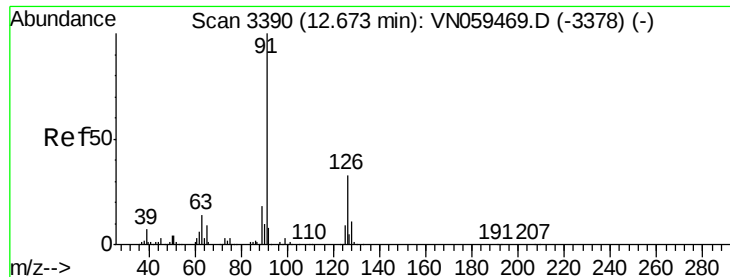
120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.793 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

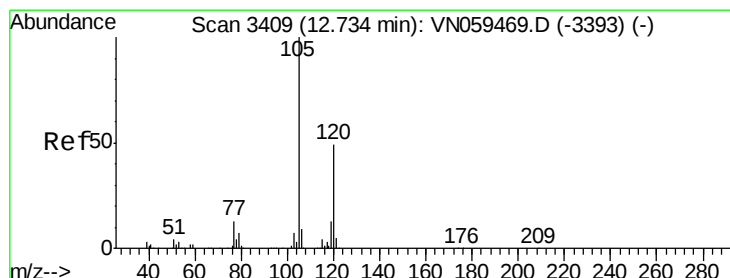
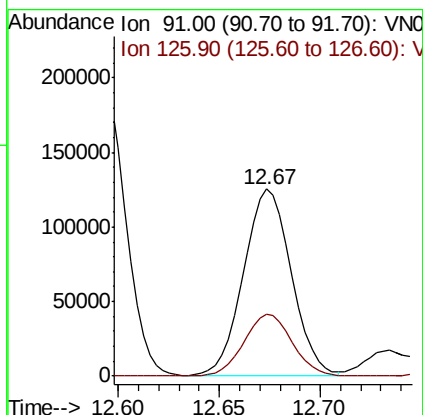
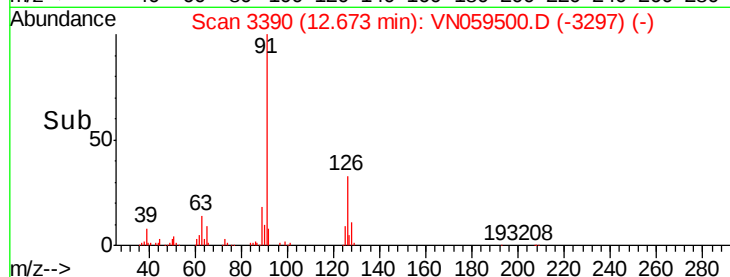
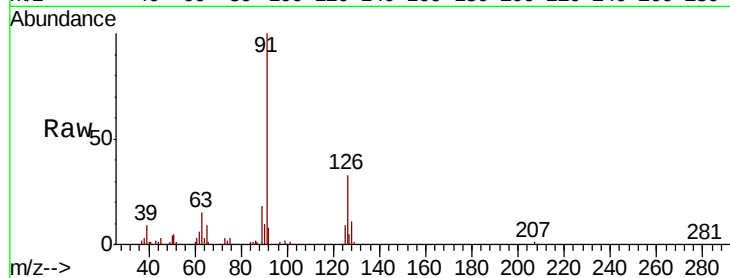
VN1205WBSD01

Tot Ion: 91 Resp: 206392

Ion Ratio Lower Upper

91 100

126 33.6 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 19.332 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059500.D

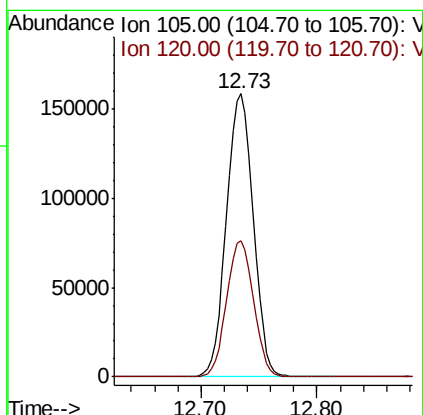
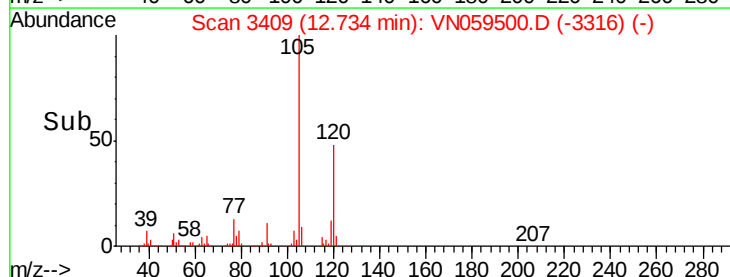
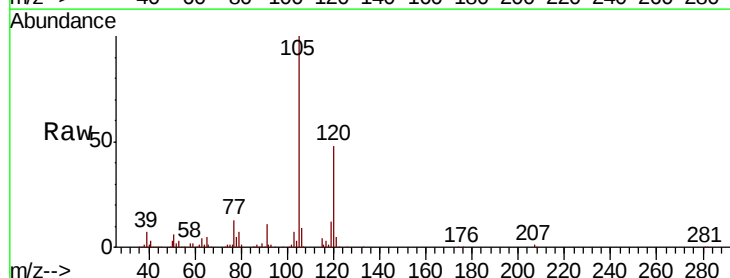
Acq: 5 Dec 2019 15:10

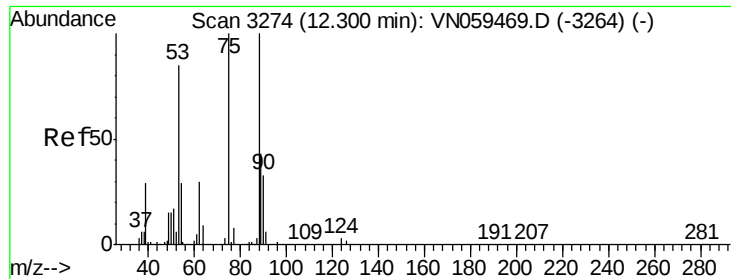
Tgt Ion: 105 Resp: 252913

Ion Ratio Lower Upper

105 100

120 48.2 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.434 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

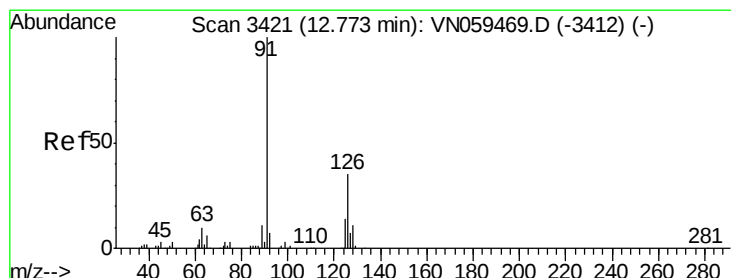
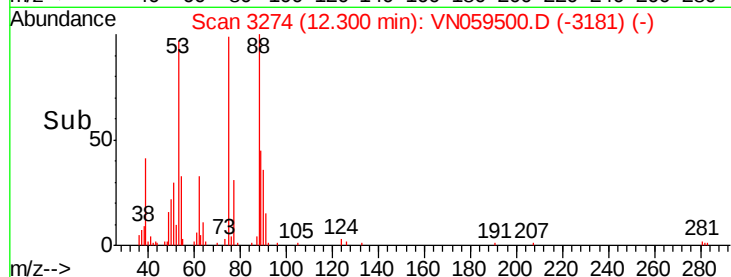
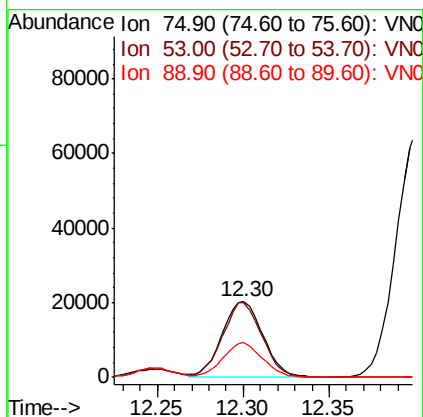
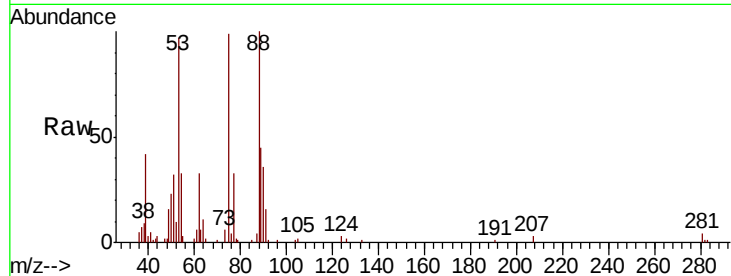
Tot Ion: 75 Resp: 34093

Ion Ratio Lower Upper

75 100

53 94.9 69.8 104.6

89 44.1 35.2 52.8



#82

4-Chlorotoluene

Concen: 18.376 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059500.D

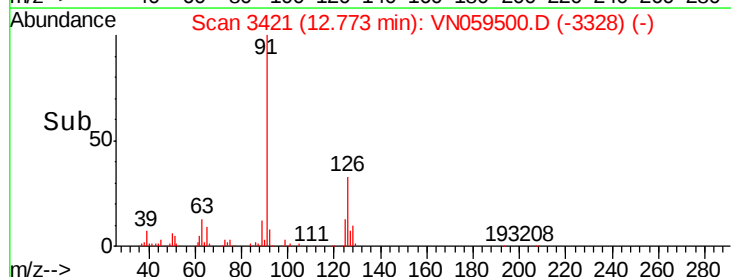
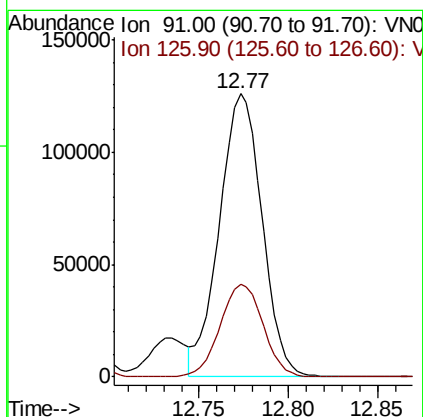
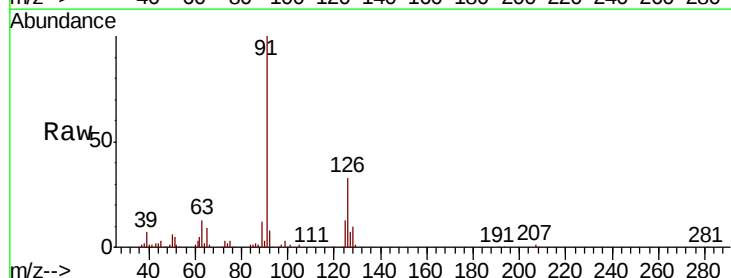
Acq: 5 Dec 2019 15:10

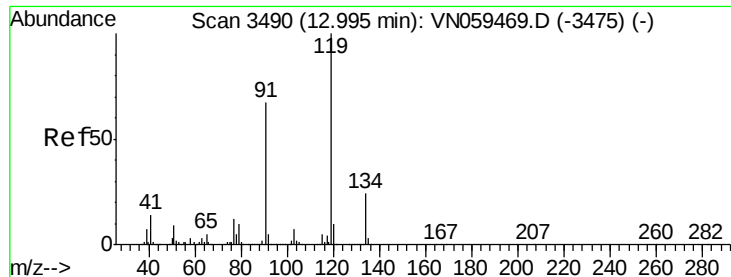
Tgt Ion: 91 Resp: 208209

Ion Ratio Lower Upper

91 100

126 33.2 16.4 49.2





#83

tert-Butylbenzene

Concen: 18.831 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

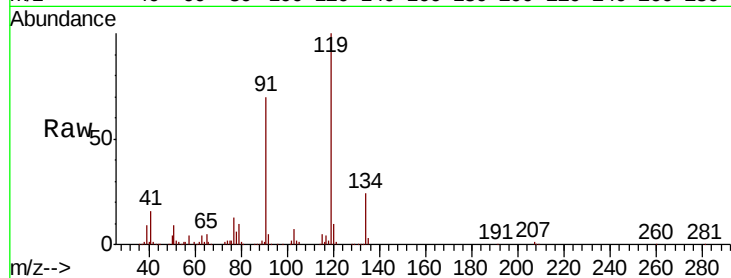
Tot Ion:119 Resp: 213886

Ion Ratio Lower Upper

119 100

91 67.5 32.6 97.7

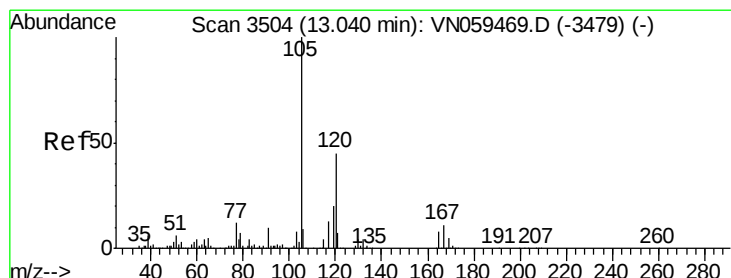
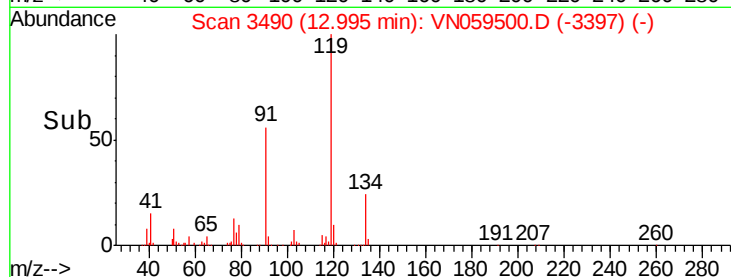
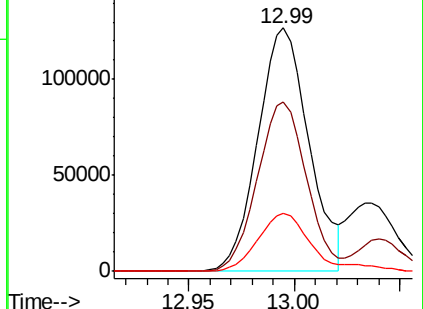
134 25.3 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.284 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059500.D

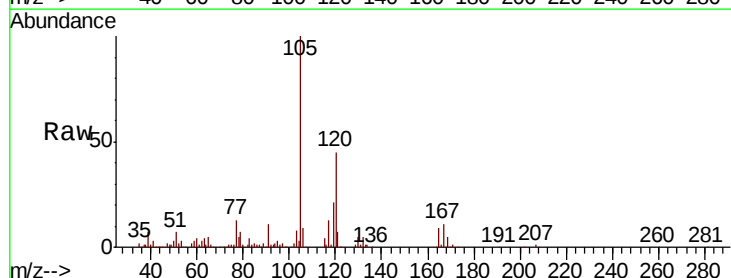
Acq: 5 Dec 2019 15:10

Tgt Ion:105 Resp: 246550

Ion Ratio Lower Upper

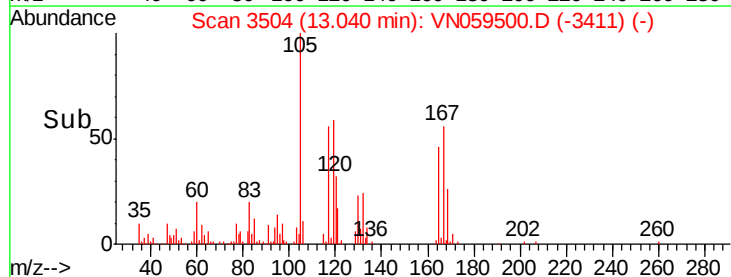
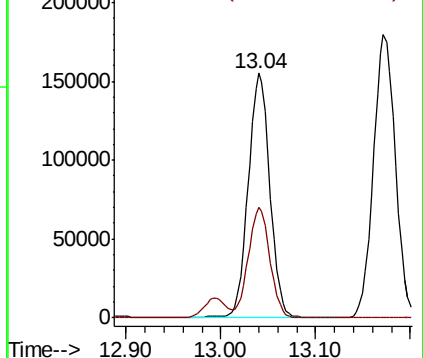
105 100

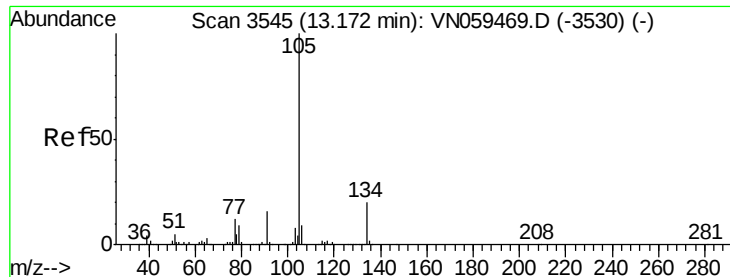
120 45.2 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.134 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

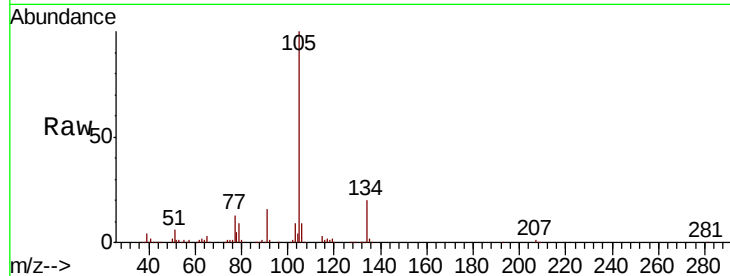
VN1205WBSD01

Tot Ion:105 Resp: 288031

Ion Ratio Lower Upper

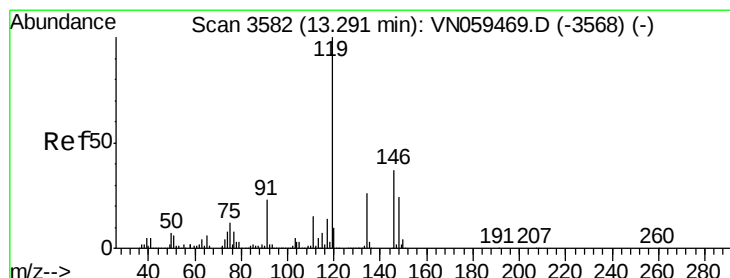
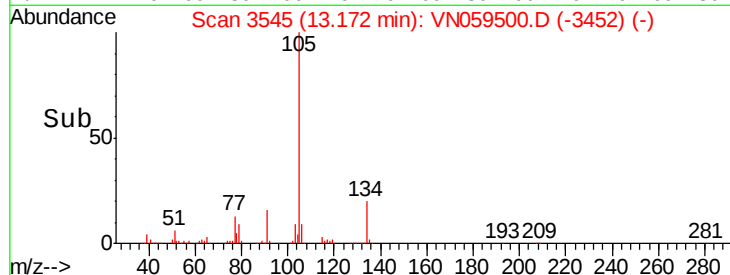
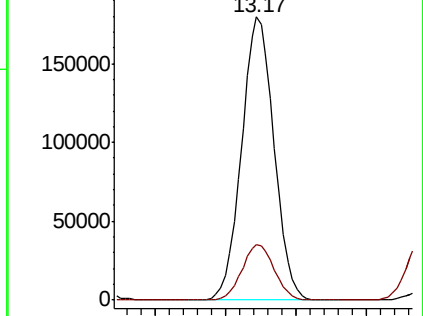
105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.437 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

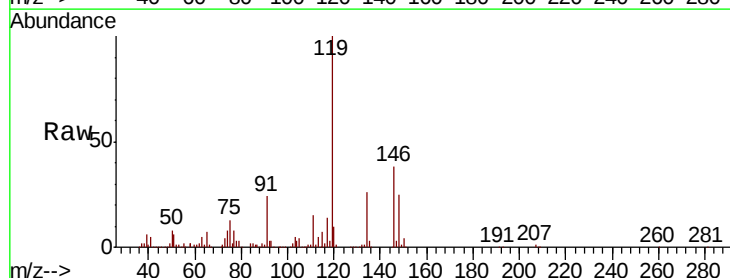
Tgt Ion:119 Resp: 248710

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

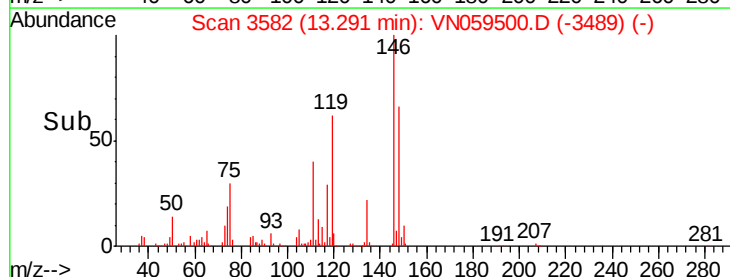
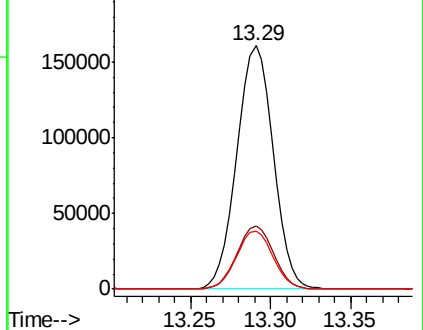
91 24.0 11.7 35.1

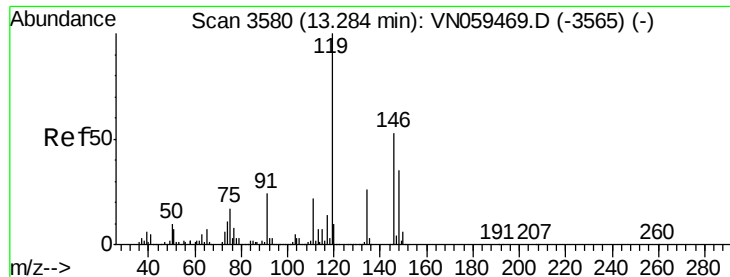


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.115 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

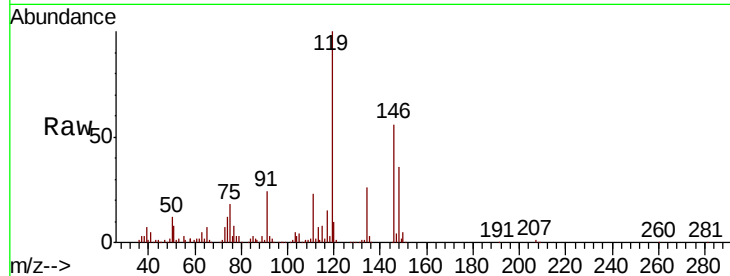
Tot Ion:146 Resp: 124945

Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.3

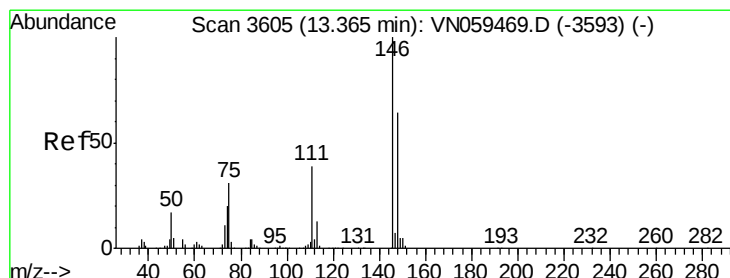
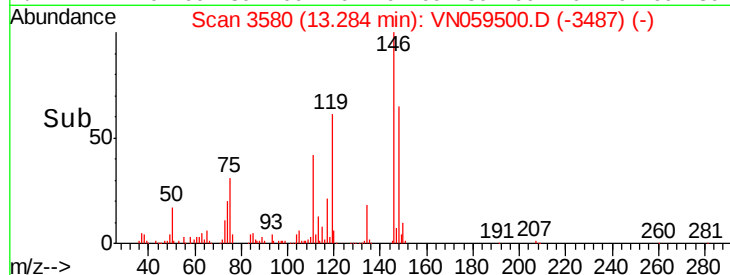
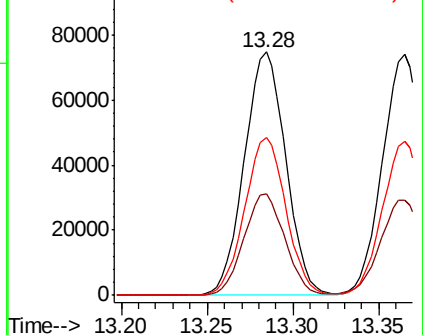
148 64.6 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 17.947 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059500.D

Acq: 5 Dec 2019 15:10

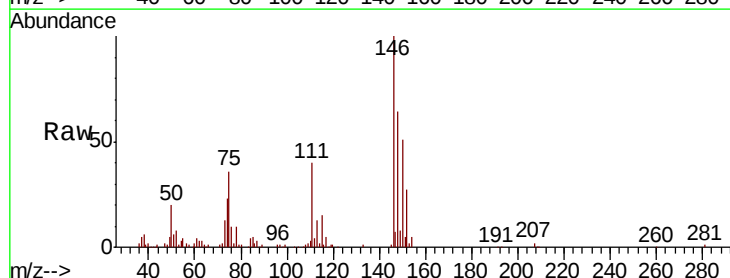
Tgt Ion:146 Resp: 124840

Ion Ratio Lower Upper

146 100

111 40.9 19.8 59.3

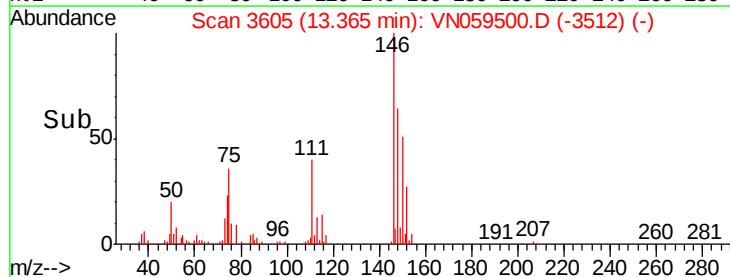
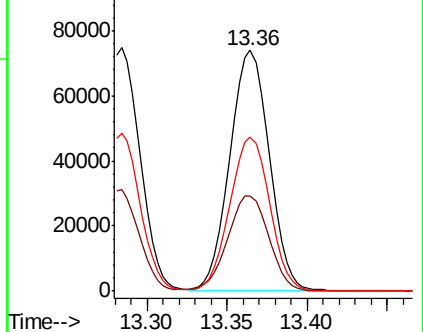
148 64.4 32.0 96.0

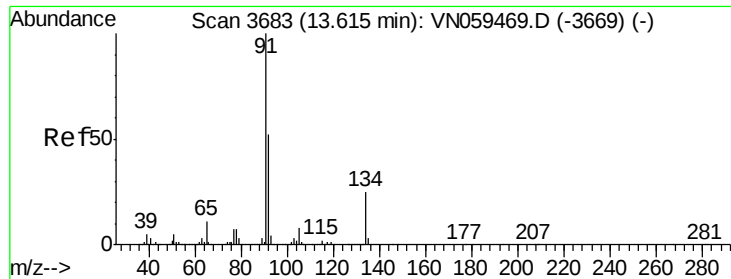


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

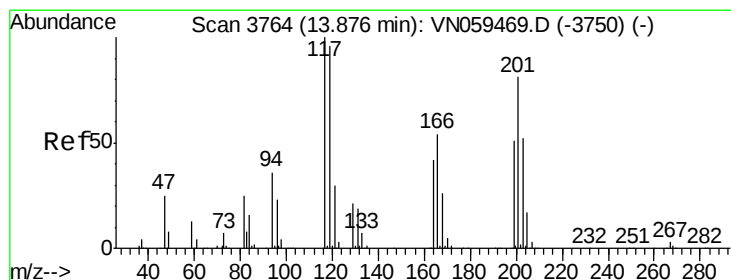
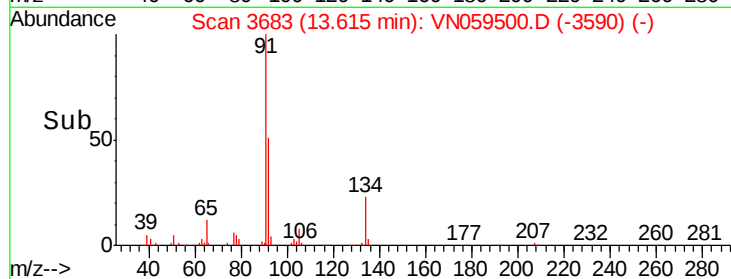
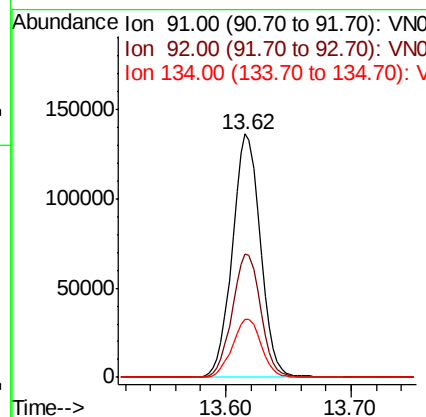
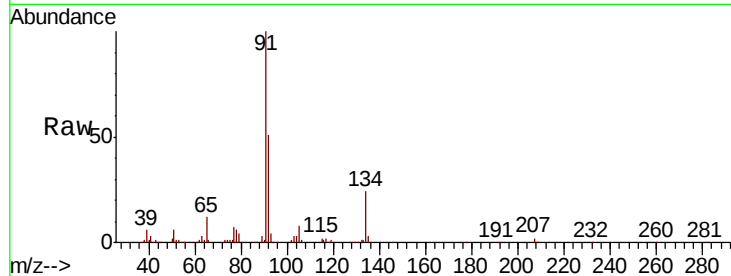




#89
n-Butylbenzene
Concen: 17.534 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

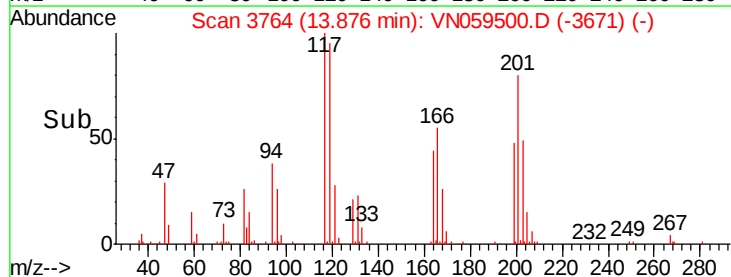
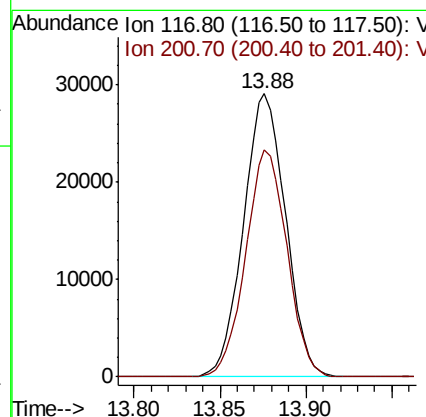
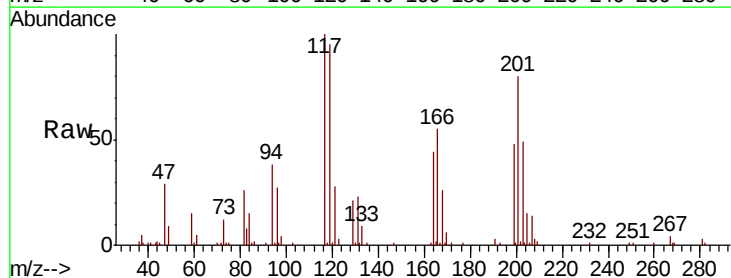
Instrument :
MSVOA_N
ClientSampled :
VN1205WBSD01

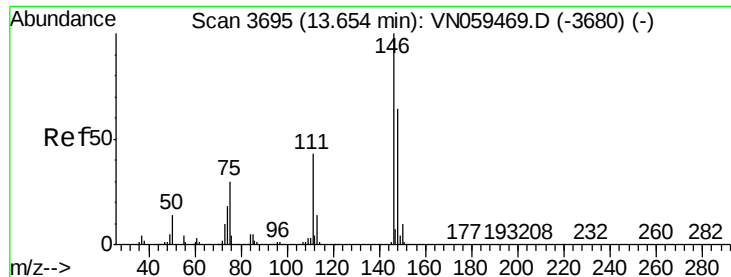
Tot Ion: 91 Resp: 211911
Ion Ratio Lower Upper
91 100
92 51.5 25.9 77.8
134 24.6 12.6 37.6



#90
Hexachloroethane
Concen: 18.925 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion: 117 Resp: 49239
Ion Ratio Lower Upper
117 100
201 78.7 40.6 122.0

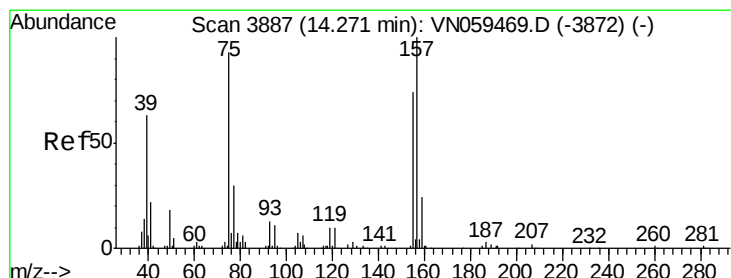
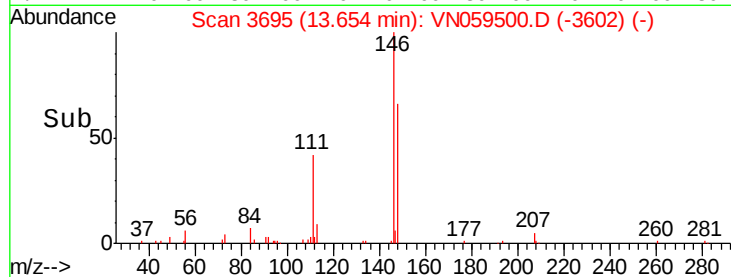
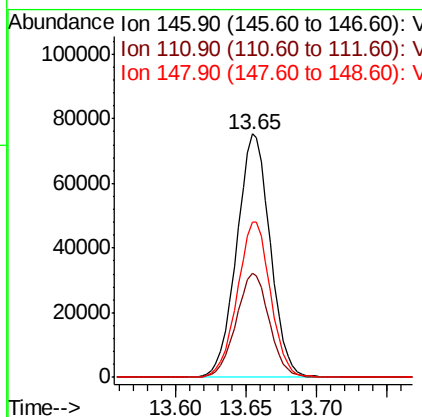
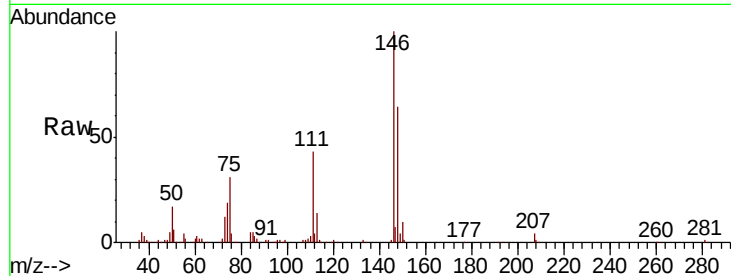




#91
 1,2-Dichlorobenzene
 Concen: 18.926 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059500.D
 Acq: 5 Dec 2019 15:10

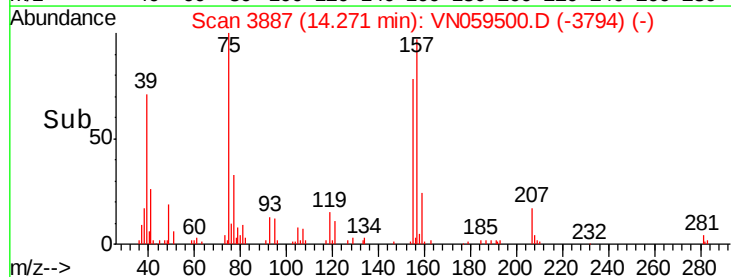
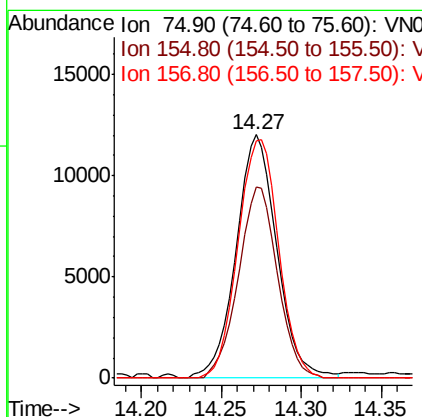
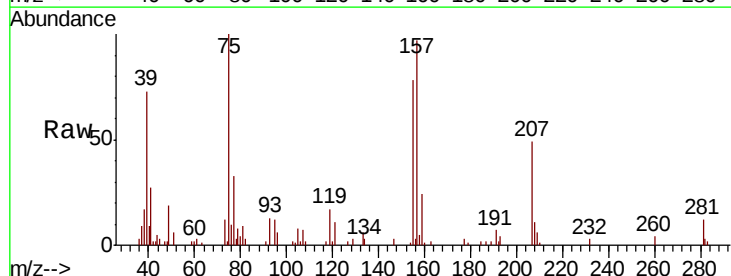
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

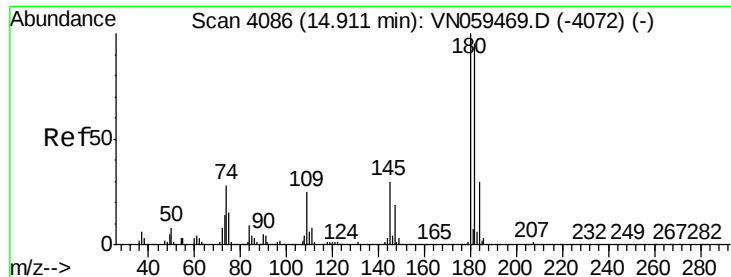
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.7
148	63.5	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.140 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059500.D
 Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	40.6	122.0
157	97.4	52.9	158.7

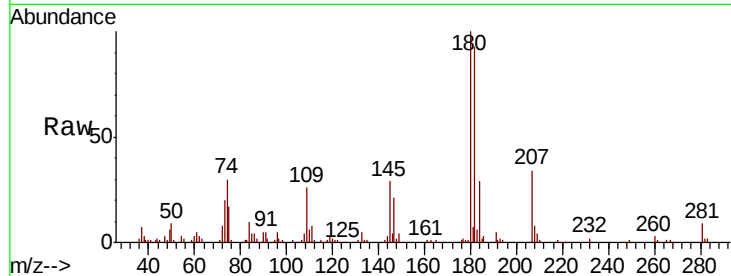




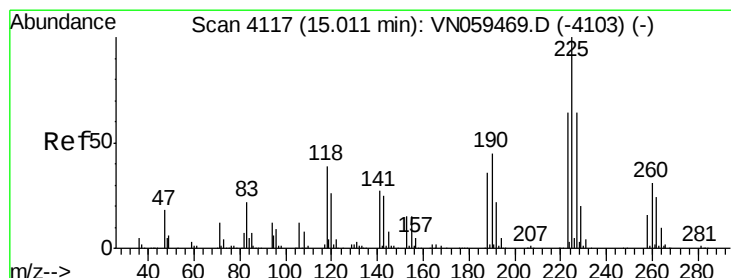
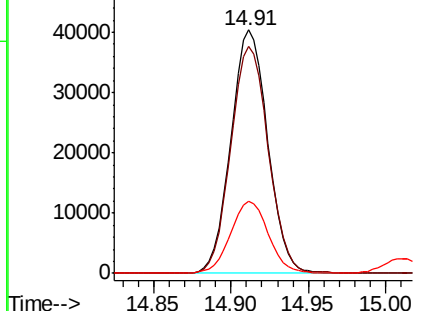
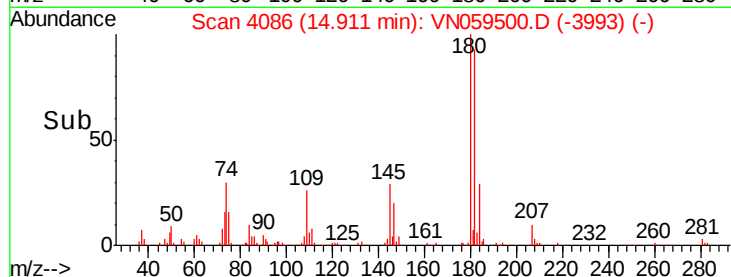
#93
 1,2,4-Trichlorobenzene
 Concen: 16.494 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059500.D
 Acq: 5 Dec 2019 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

Tot Ion:180 Resp: 66582
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.0 144.2
 145 30.4 15.2 45.6

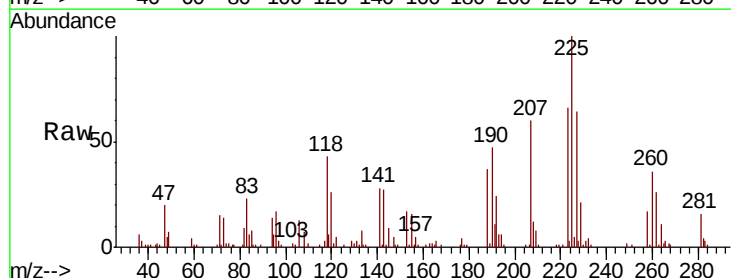


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

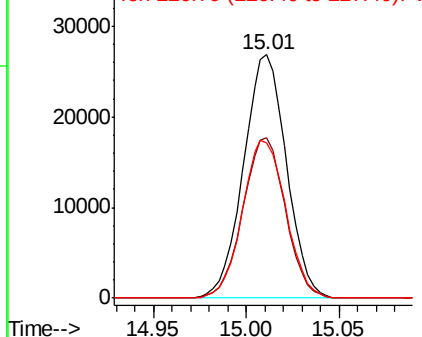
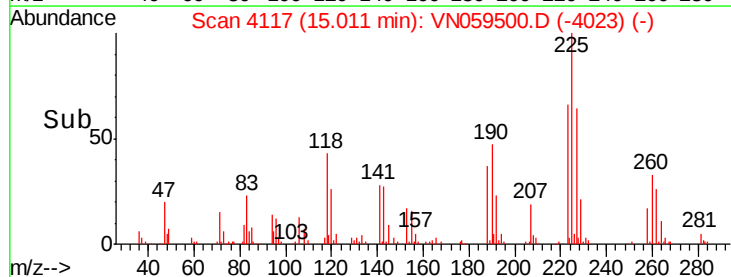


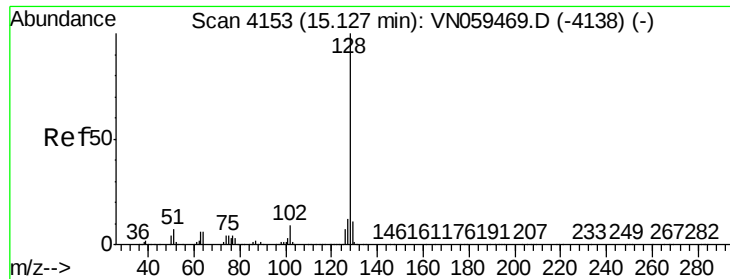
#94
 Hexachlorobutadiene
 Concen: 18.059 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059500.D
 Acq: 5 Dec 2019 15:10

Tgt Ion:225 Resp: 43263
 Ion Ratio Lower Upper
 225 100
 223 65.4 31.9 95.5
 227 65.6 32.0 96.2



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

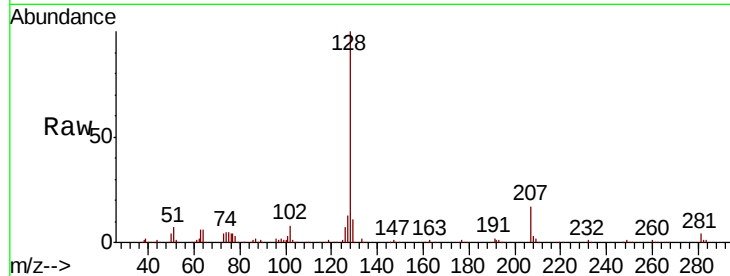




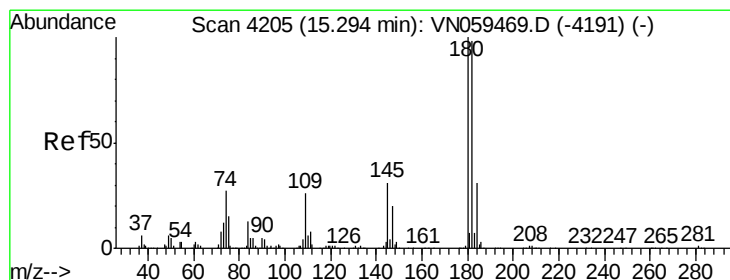
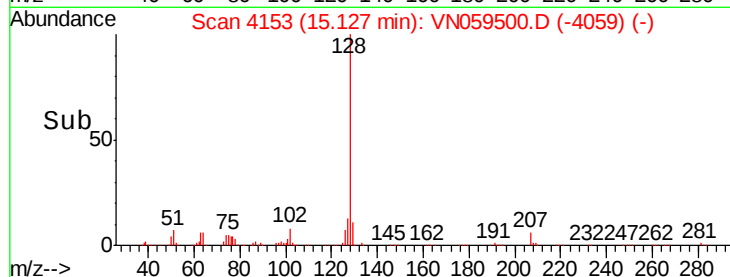
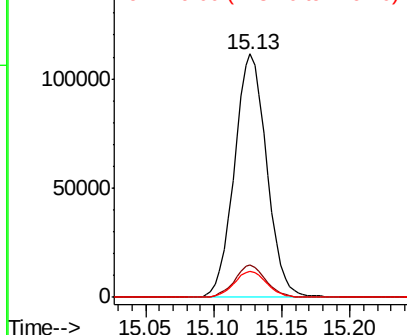
#95
Naphthalene
Concen: 18.083 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

Tot Ion:128 Resp: 182993
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.8 13.2

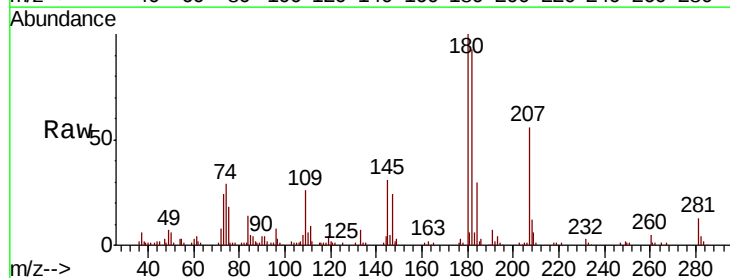


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.150 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059500.D
Acq: 5 Dec 2019 15:10

Tgt Ion:180 Resp: 68315
Ion Ratio Lower Upper
180 100
182 95.0 48.5 145.5
145 32.0 16.1 48.2



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

