

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059306.D
 Acq On : 19 Nov 2019 14:55
 Operator : JC/SP
 Sample : VN1119MBS03
 Misc : 5.00µl/10mL/100µl/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:47:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	419796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	659505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	583859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	236881	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
35) Dibromofluoromethane	7.57	113	190270	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	10.08	98	707115	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	12.40	95	256728	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	70735	16.724	ug/l	100
3) Chloromethane	2.04	50	82421	14.335	ug/l	99
4) Vinyl Chloride	2.17	62	85252	15.294	ug/l	100
5) Bromomethane	2.55	94	46964	14.641	ug/l	98
6) Chloroethane	2.69	64	43873	13.305	ug/l	93
7) Trichlorofluoromethane	3.00	101	84220	12.632	ug/l	98
8) Diethyl Ether	3.39	74	36158	13.347	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	52571	13.077	ug/l	99
10) Methyl Iodide	3.93	142	60488	12.156	ug/l	99
11) Tert butyl alcohol	4.74	59	57555	58.523	ug/l	97
12) 1,1-Dichloroethene	3.72	96	51849	13.240	ug/l	96
13) Acrolein	3.58	56	13312	26.254	ug/l	94
14) Allyl chloride	4.29	41	98046	12.189	ug/l	99
15) Acrylonitrile	4.95	53	150049	61.307	ug/l	100
16) Acetone	3.79	43	154796	57.684	ug/l	99
17) Carbon Disulfide	4.03	76	166960	13.734	ug/l	99
18) Methyl Acetate	4.29	43	87388	13.720	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	173664	12.881	ug/l	98
20) Methylene Chloride	4.52	84	60318	12.902	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	55704	13.252	ug/l	94
22) Diisopropyl ether	5.92	45	186941	12.304	ug/l	94
23) Vinyl Acetate	5.86	43	730241	62.013	ug/l	99
24) 1,1-Dichloroethane	5.82	63	108007	12.727	ug/l	99
25) 2-Butanone	6.81	43	202201	57.172	ug/l	100
26) 2,2-Dichloropropane	6.80	77	91231	12.294	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	63103	12.940	ug/l	98
28) Bromochloromethane	7.17	49	38242	14.978	ug/l	96
29) Tetrahydrofuran	7.18	42	137226	61.065	ug/l	99
30) Chloroform	7.35	83	105345	12.941	ug/l	99
31) Cyclohexane	7.63	56	103938	12.938	ug/l #	89
32) 1,1,1-Trichloroethane	7.55	97	88439	12.922	ug/l	98
36) 1,1-Dichloropropene	7.77	75	78174	12.681	ug/l	99
37) Ethyl Acetate	6.90	43	82318	12.004	ug/l	99
38) Carbon Tetrachloride	7.75	117	76095	12.402	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	94136	13.158	ug/l	99
40) Benzene	8.02	78	240057	12.932	ug/l	99
41) Methacrylonitrile	7.18	41	118146	39.619	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	79165	12.434	ug/l	100
43) Isopropyl Acetate	8.14	43	127080	11.624	ug/l	92
44) Trichloroethene	8.82	130	60464	13.250	ug/l	98
45) 1,2-Dichloropropane	9.10	63	62867	12.468	ug/l	99
46) Dibromomethane	9.19	93	38652	12.302	ug/l	100
47) Bromodichloromethane	9.39	83	77229	12.309	ug/l	96
48) Methyl methacrylate	9.19	41	56004	11.452	ug/l	98
49) 1,4-Dioxane	9.18	88	20012	230.267	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	387519	62.643	ug/l	99
52) Toluene	10.15	92	144000	12.942	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	87568	12.081	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	98760	12.666	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	55962	12.428	ug/l	98
56) Ethyl methacrylate	10.42	69	80964	12.250	ug/l	97
57) 1,3-Dichloropropane	10.70	76	97323	12.558	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	192513	76.821	ug/l	99
59) 2-Hexanone	10.74	43	286827	60.408	ug/l	100
60) Dibromochloromethane	10.90	129	57002	11.973	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56295	12.350	ug/l	99
64) Tetrachloroethene	10.63	164	53006	13.351	ug/l	97
65) Chlorobenzene	11.43	112	149896	13.170	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	53319	12.488	ug/l	96
67) Ethyl Benzene	11.51	91	268877	13.315	ug/l	99
68) m/p-Xylenes	11.62	106	197941	26.168	ug/l	99
69) o-Xylene	11.95	106	94538	12.932	ug/l	99
70) Styrene	11.96	104	145046	12.616	ug/l	99
71) Bromoform	12.13	173	38825	11.691	ug/l #	97
73) Isopropylbenzene	12.25	105	250958	13.285	ug/l	99
74) N-amyl acetate	12.07	43	91841	11.473	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	83079	12.914	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	108398	18.333	ug/l #	100
77) Bromobenzene	12.53	156	60452	12.737	ug/l	98
78) n-propylbenzene	12.59	91	286107	13.227	ug/l	99
79) 2-Chlorotoluene	12.68	91	171877	12.809	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	211664	13.223	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27090	12.102	ug/l	100
82) 4-Chlorotoluene	12.77	91	174760	12.985	ug/l	99
83) tert-Butylbenzene	12.99	119	178700	12.927	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	203540	13.143	ug/l	99
85) sec-Butylbenzene	13.17	105	240095	13.355	ug/l	100
86) p-Isopropyltoluene	13.29	119	213422	13.445	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105014	12.921	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	101756	12.513	ug/l	98
89) n-Butylbenzene	13.62	91	178346	12.836	ug/l	99
90) Hexachloroethane	13.88	117	37588	11.792	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	101943	12.751	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15376	12.000	ug/l	96

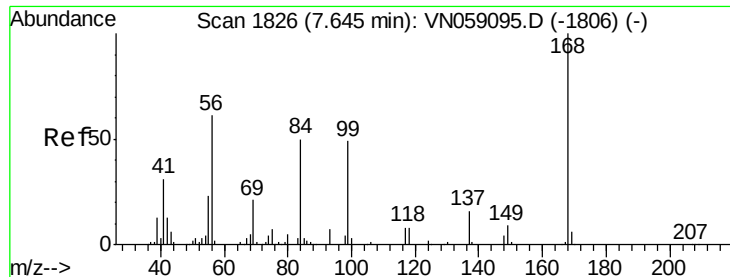
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53097	13.326	ug/l	97
94) Hexachlorobutadiene	15.01	225	36860	13.371	ug/l	99
95) Naphthalene	15.13	128	141243	12.901	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	54372	12.135	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

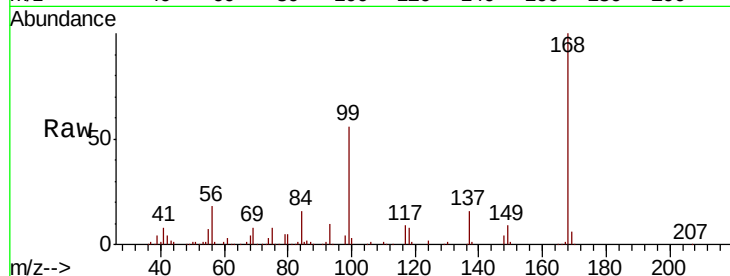
ClientSampled :

Tot Ion:168 Resp: 419796

Ion Ratio Lower Upper

168 100

99 55.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059095.D (-1806) (-)

7.64

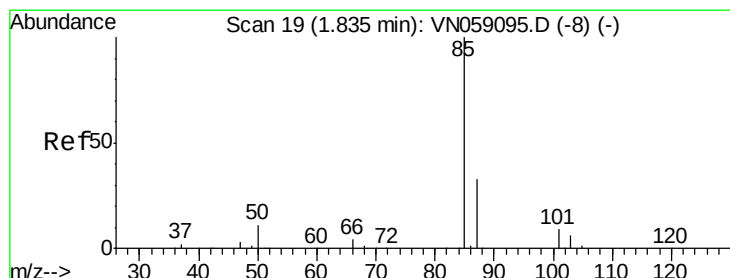
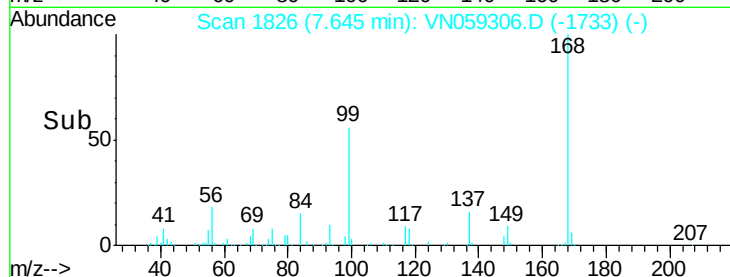
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 16.724 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059306.D

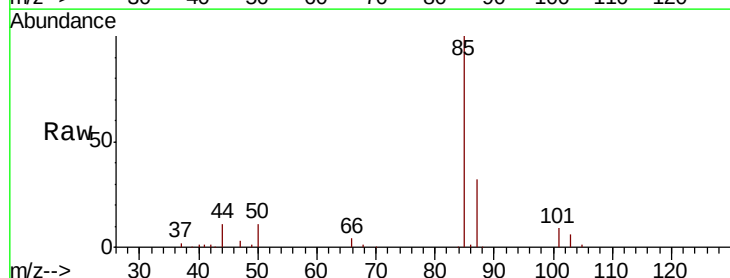
Acq: 19 Nov 2019 14:55

Tgt Ion: 85 Resp: 70735

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN059095.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059095.D (-8) (-)

1.83

50000

40000

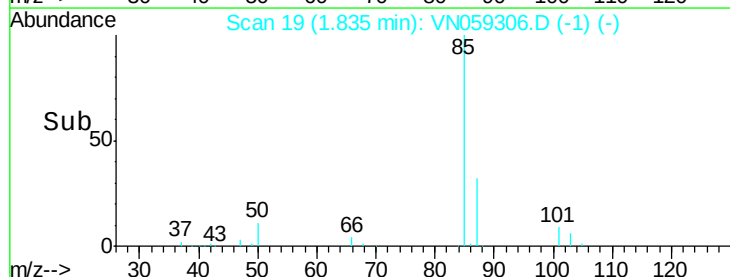
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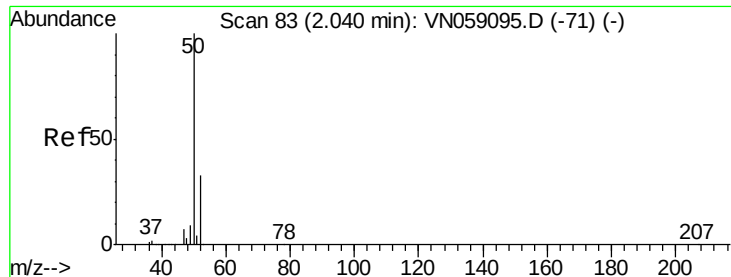
20000

10000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 14.335 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

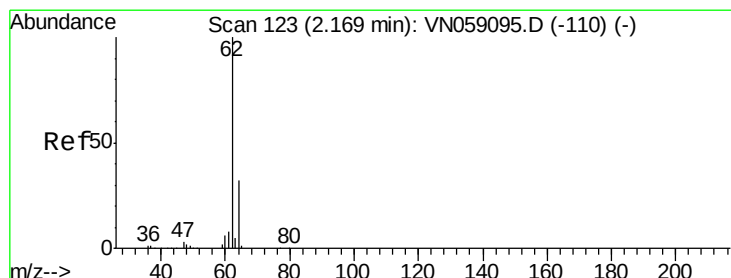
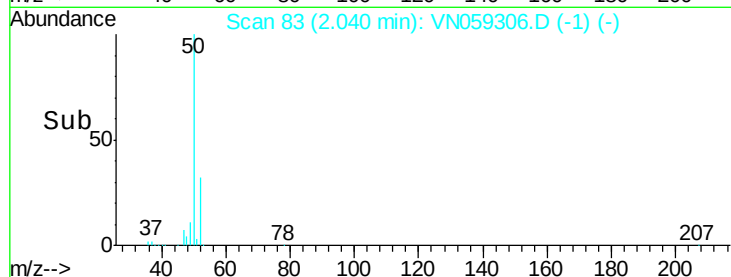
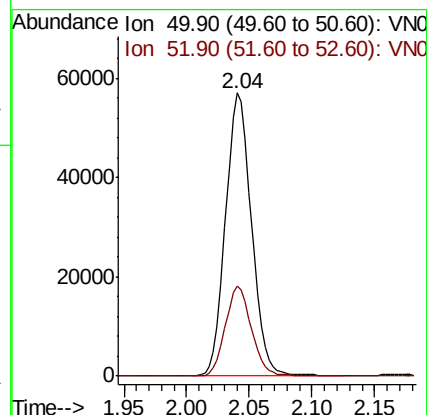
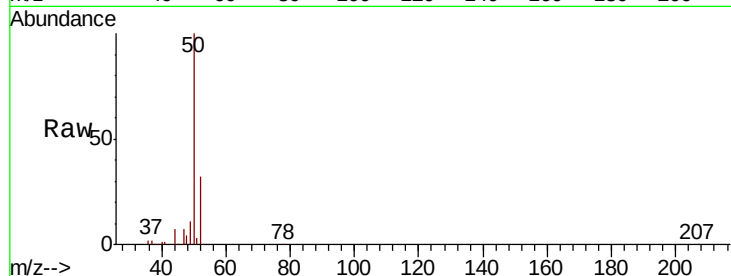
ClientSampleId :

Tot Ion: 50 Resp: 82421

Ion Ratio Lower Upper

50 100

52 31.7 26.0 39.0



#4

Vinyl Chloride

Concen: 15.294 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059306.D

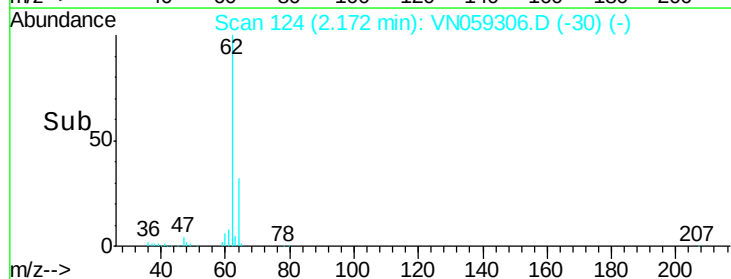
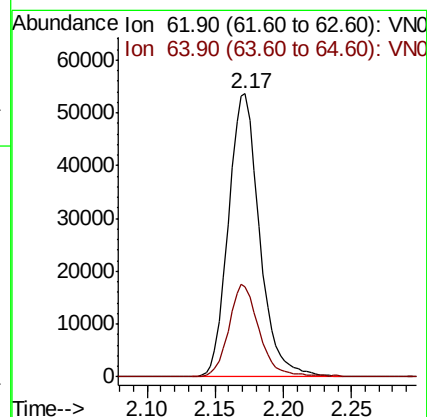
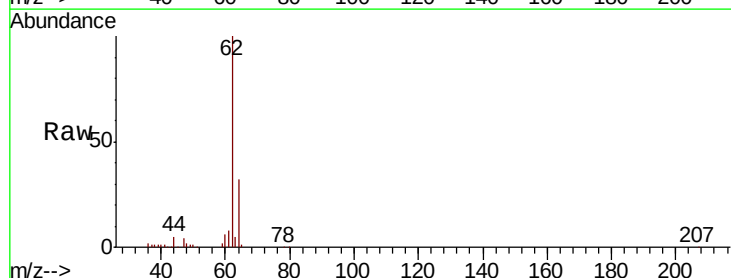
Acq: 19 Nov 2019 14:55

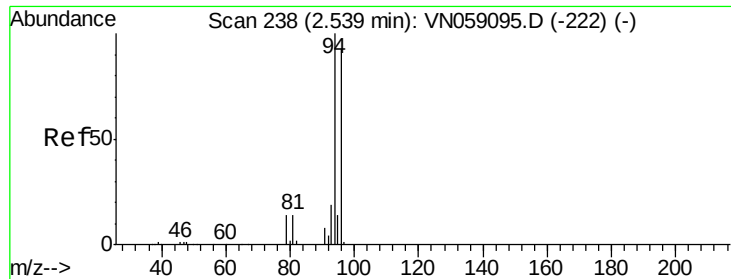
Tgt Ion: 62 Resp: 85252

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 14.641 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

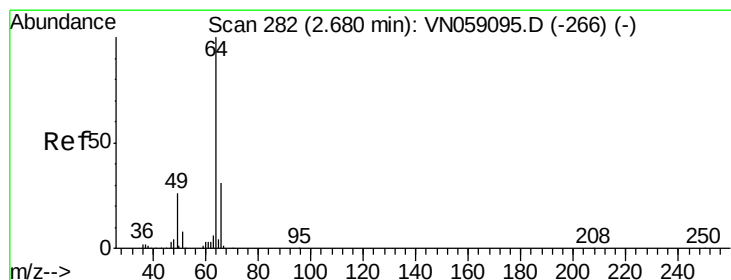
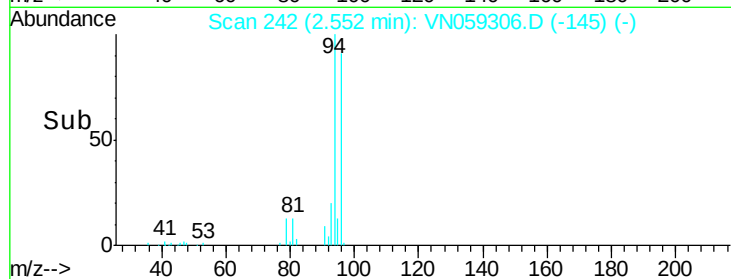
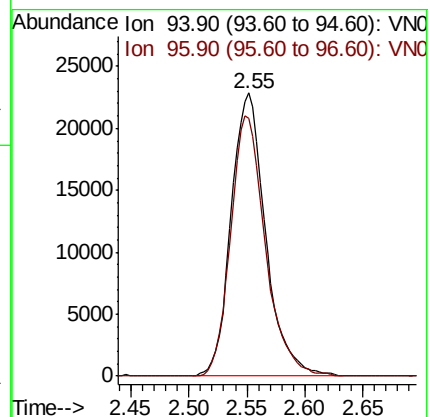
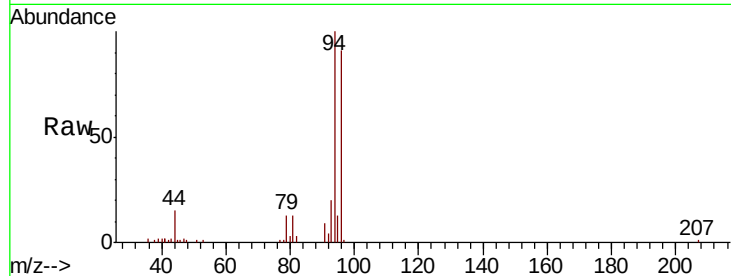
ClientSampleId :

Tot Ion: 94 Resp: 46964

Ion Ratio Lower Upper

94 100

96 91.1 74.2 111.2



#6

Chloroethane

Concen: 13.305 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059306.D

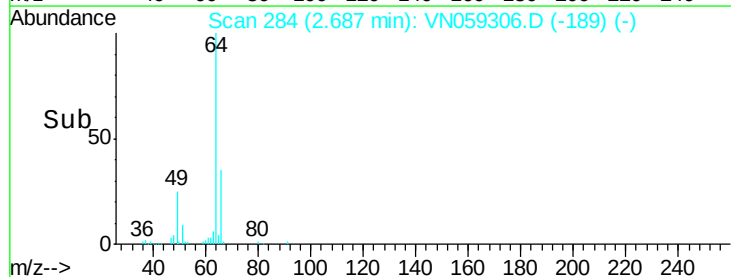
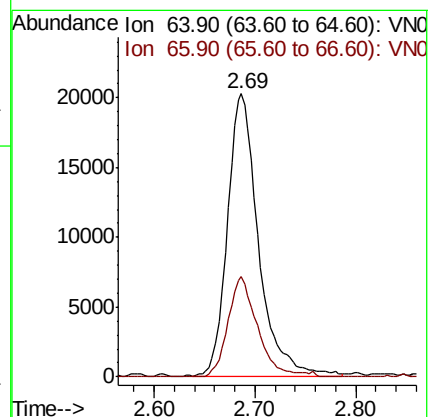
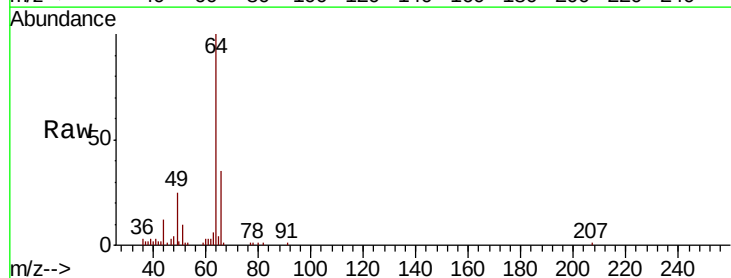
Acq: 19 Nov 2019 14:55

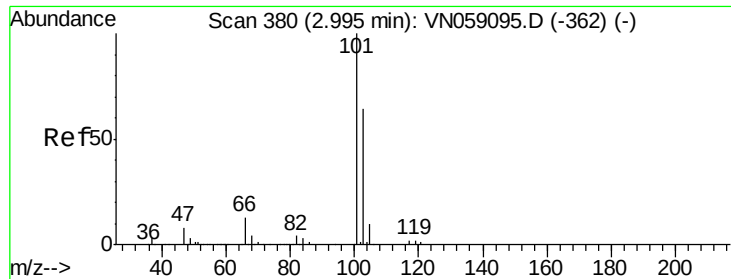
Tgt Ion: 64 Resp: 43873

Ion Ratio Lower Upper

64 100

66 35.3 25.2 37.8



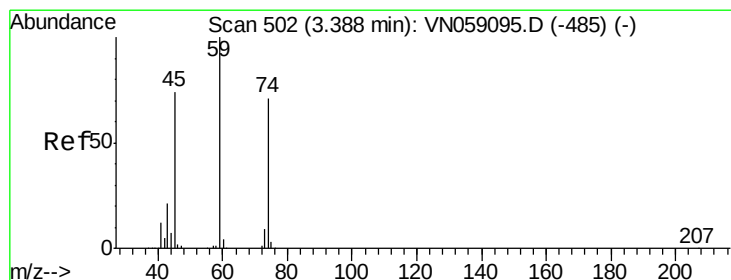
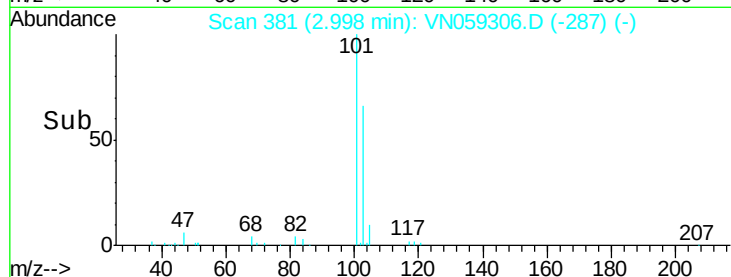
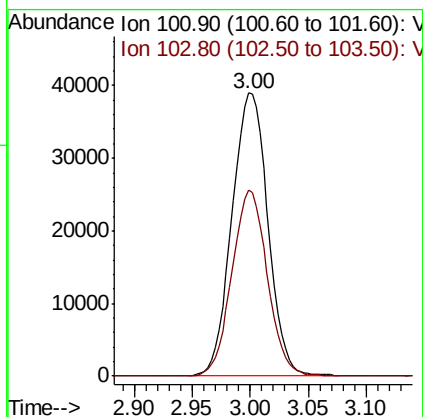
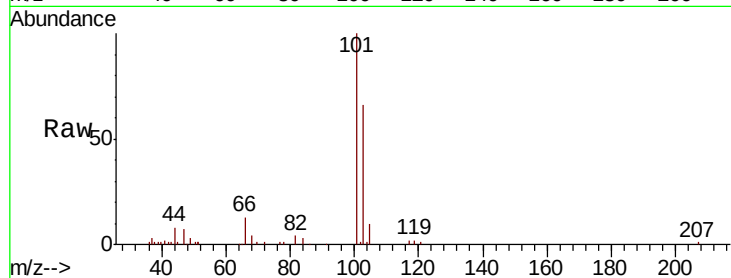


#7

Trichlorofluoromethane
 Concen: 12.632 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Instrument :
 MSVOA_N
 ClientSampled :

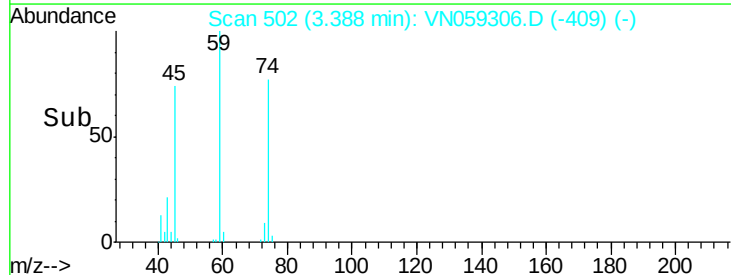
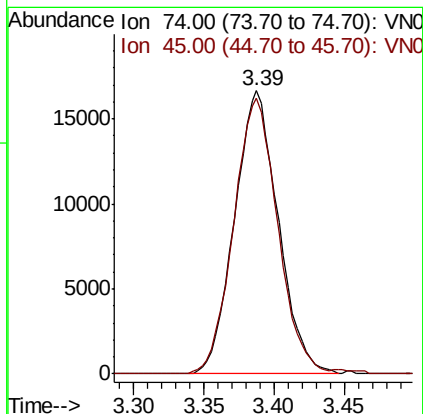
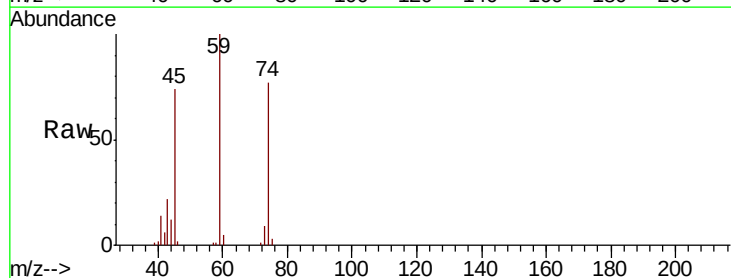
Tot Ion:101 Resp: 84220
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.2 76.8

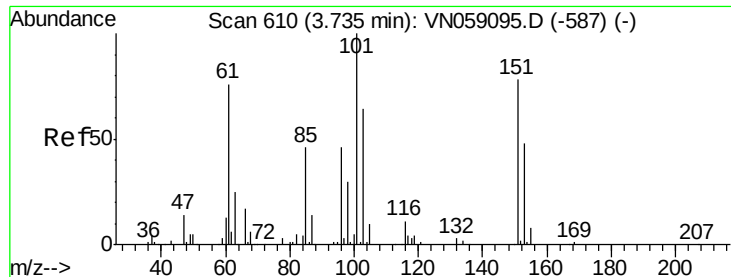


#8

Diethyl Ether
 Concen: 13.347 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion: 74 Resp: 36158
 Ion Ratio Lower Upper
 74 100
 45 97.8 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.077 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

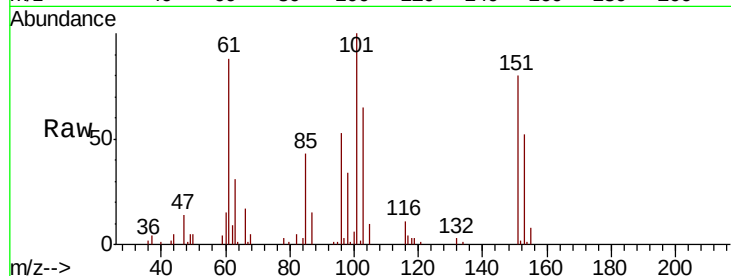
Tot Ion:101 Resp: 52571

Ion Ratio Lower Upper

101 100

85 43.4 35.5 53.3

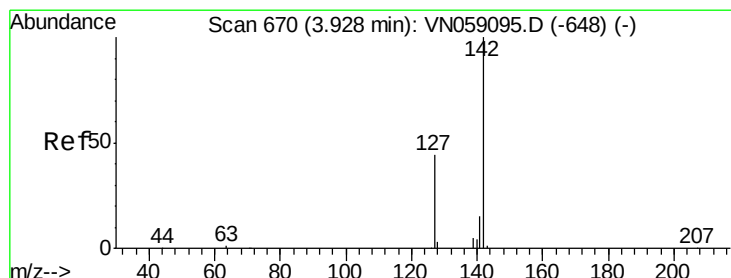
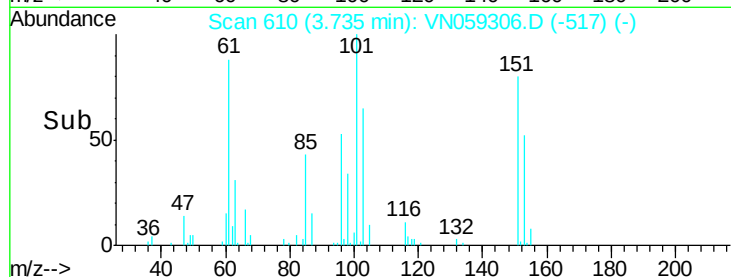
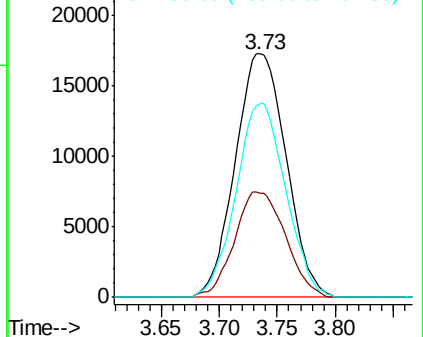
151 78.0 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.156 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

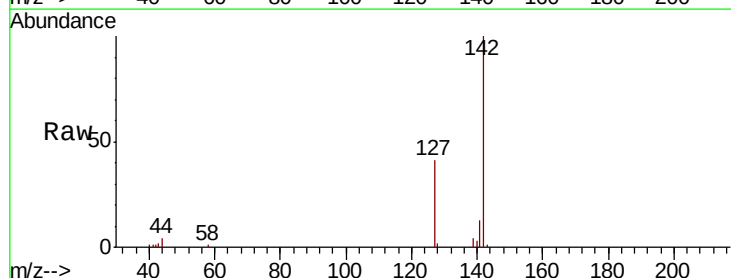
Tgt Ion:142 Resp: 60488

Ion Ratio Lower Upper

142 100

127 42.5 34.2 51.2

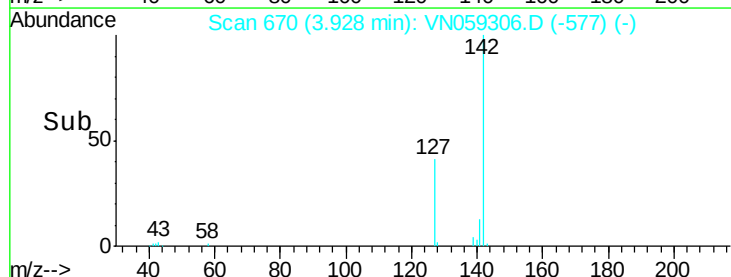
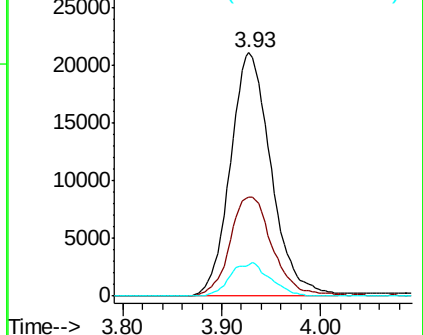
141 13.5 11.4 17.0

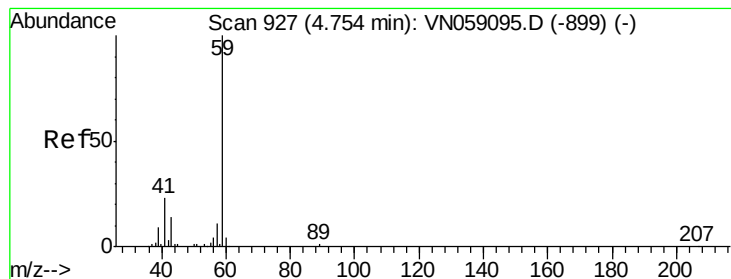


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 58.523 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

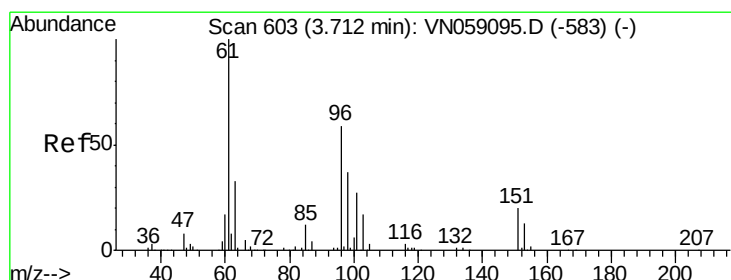
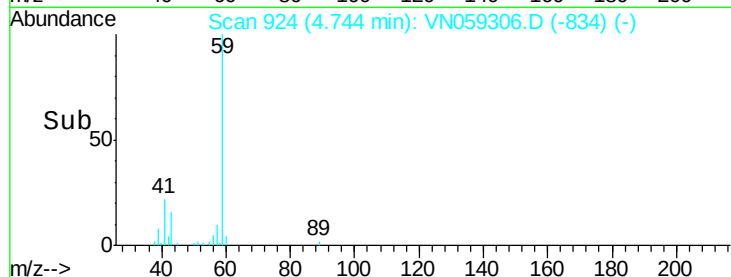
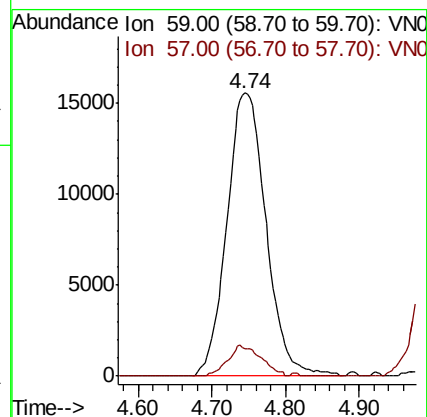
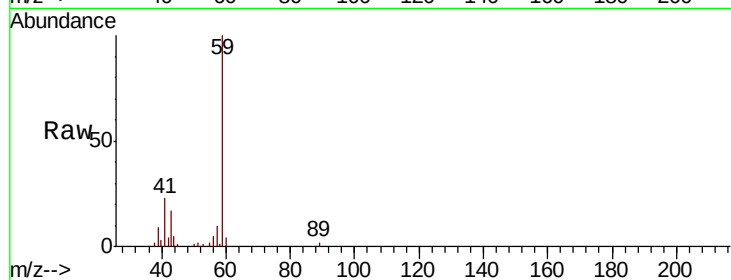
ClientSampleId :

Tot Ion: 59 Resp: 57555

Ion Ratio Lower Upper

59 100

57 9.3 8.3 12.5



#12

1,1-Dichloroethene

Concen: 13.240 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

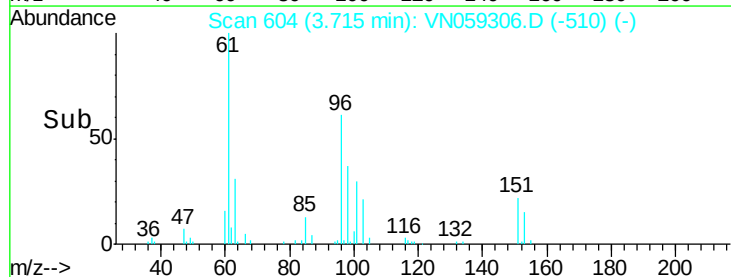
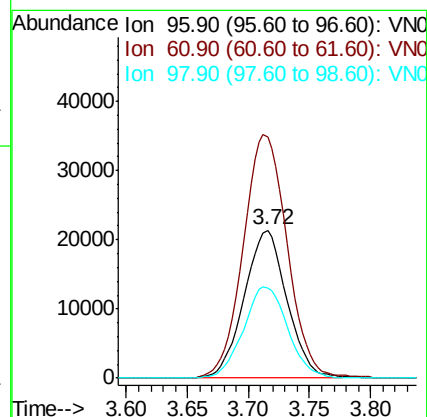
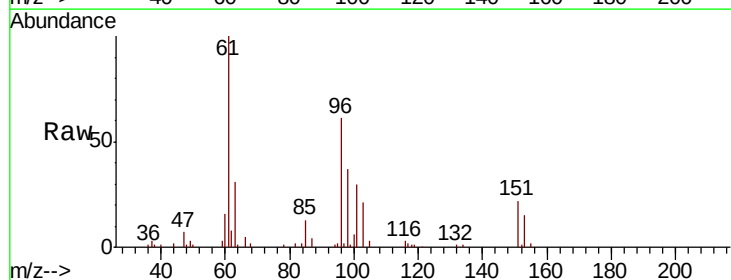
Tgt Ion: 96 Resp: 51849

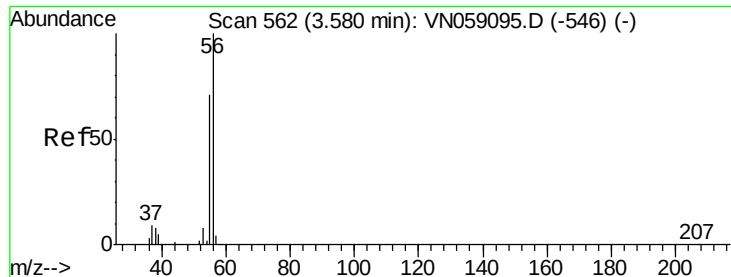
Ion Ratio Lower Upper

96 100

61 163.3 136.5 204.7

98 61.0 50.2 75.4





#13

Acrolein

Concen: 26.254 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

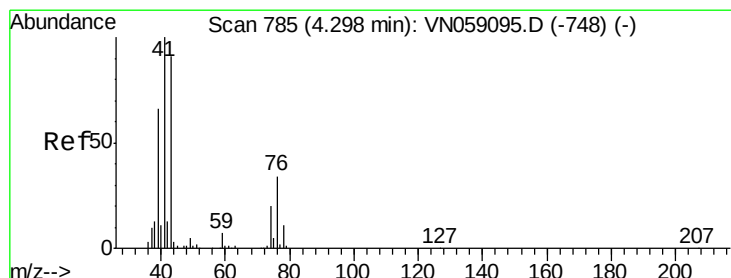
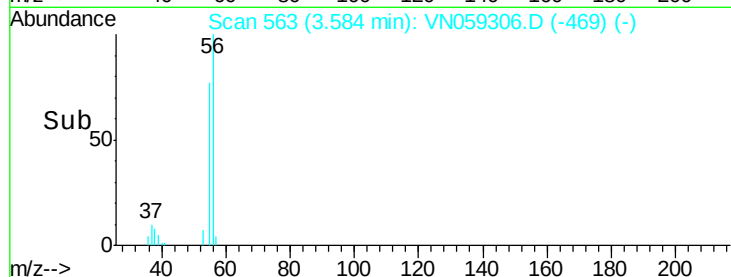
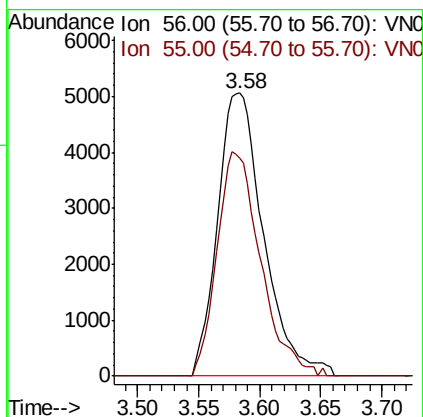
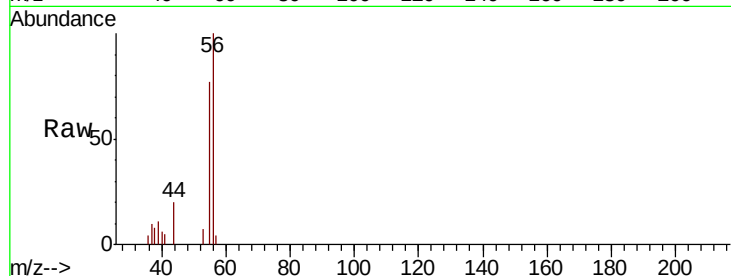
ClientSampleId :

Tot Ion: 56 Resp: 13312

Ion Ratio Lower Upper

56 100

55 75.3 56.4 84.6



#14

Allyl chloride

Concen: 12.189 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

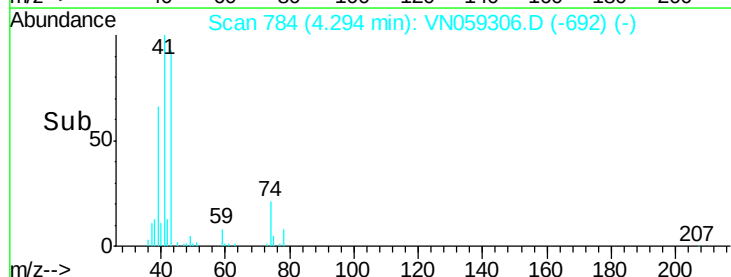
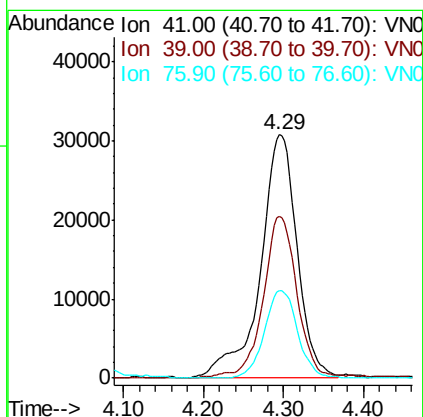
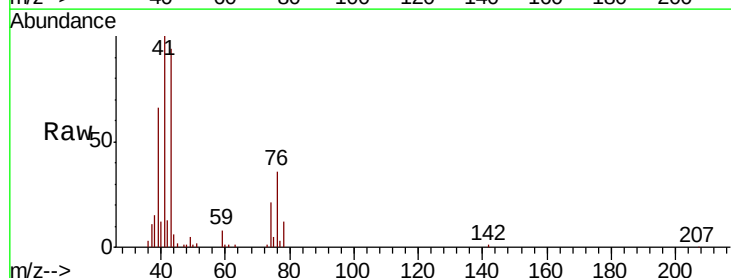
Tgt Ion: 41 Resp: 98046

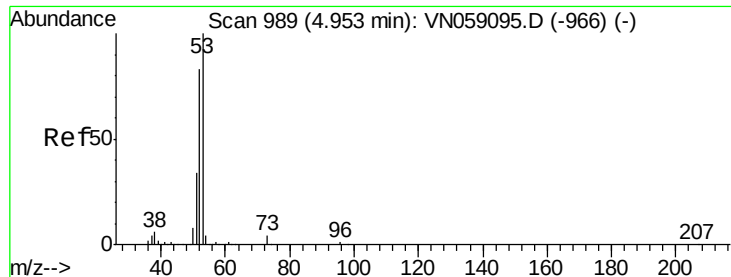
Ion Ratio Lower Upper

41 100

39 61.4 49.1 73.7

76 32.5 24.9 37.3





#15

Acrylonitrile

Concen: 61.307 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

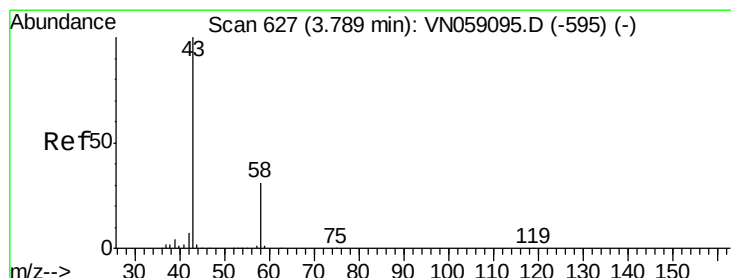
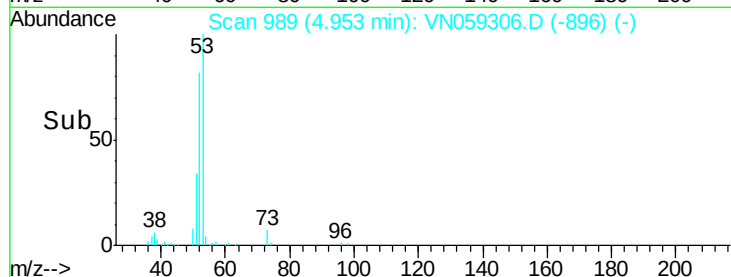
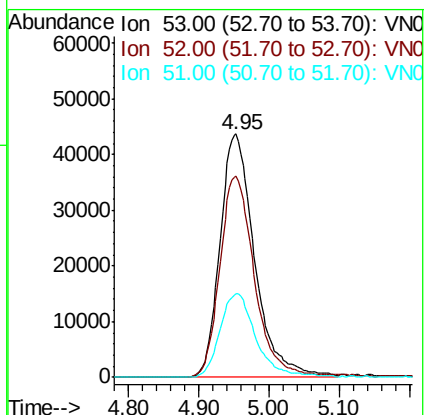
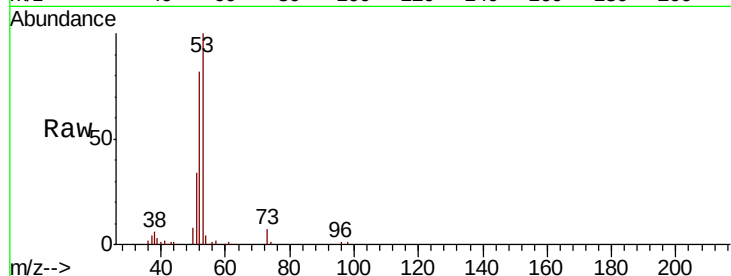
Tot Ion: 53 Resp: 150049

Ion Ratio Lower Upper

53 100

52 81.5 65.0 97.6

51 35.2 28.0 42.0



#16

Acetone

Concen: 57.684 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059306.D

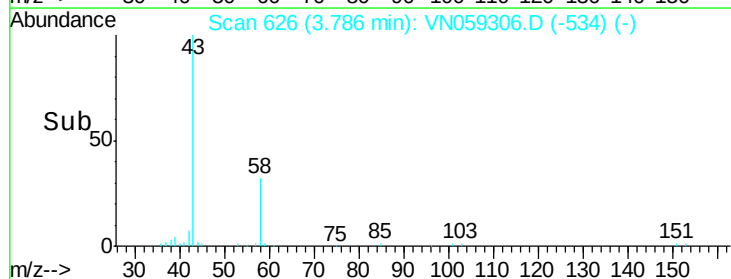
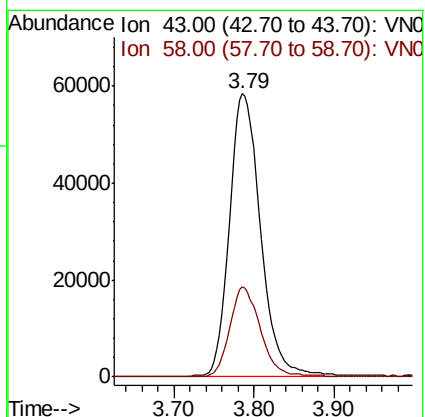
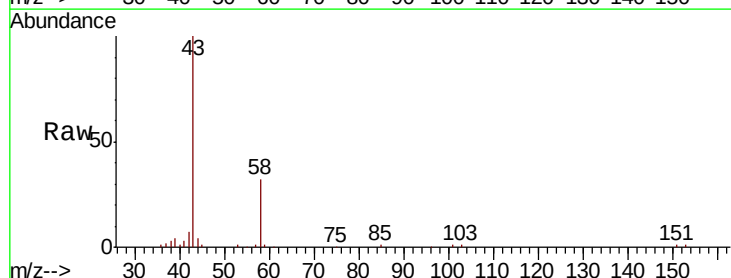
Acq: 19 Nov 2019 14:55

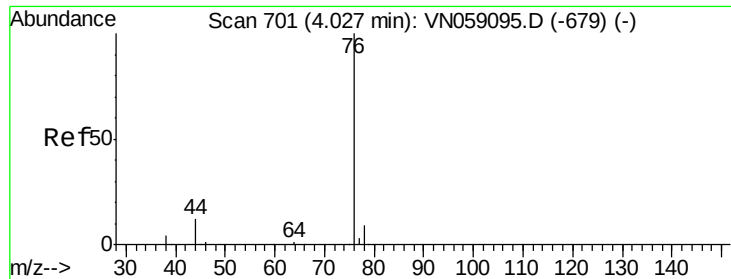
Tgt Ion: 43 Resp: 154796

Ion Ratio Lower Upper

43 100

58 31.8 24.9 37.3

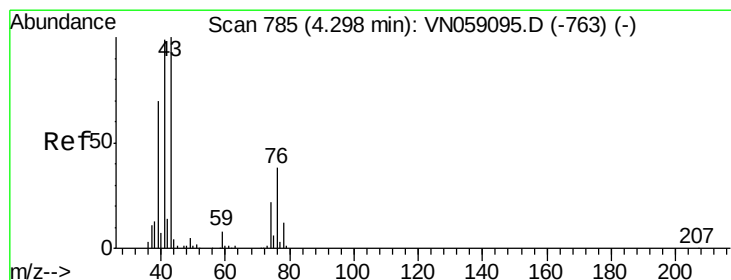
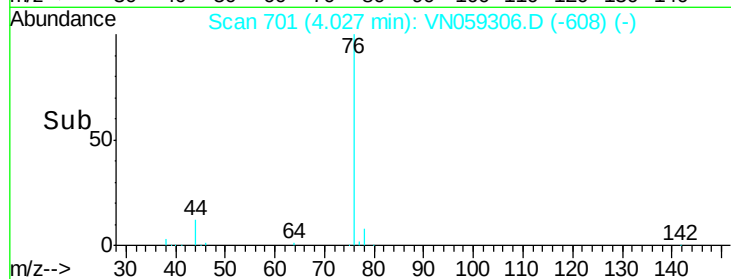
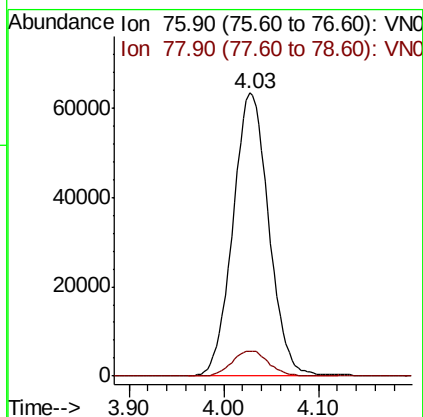
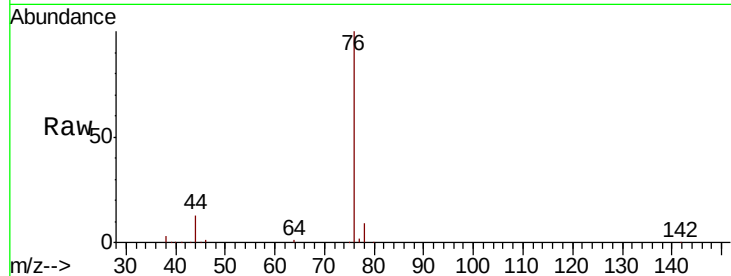




#17
Carbon Disulfide
Concen: 13.734 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

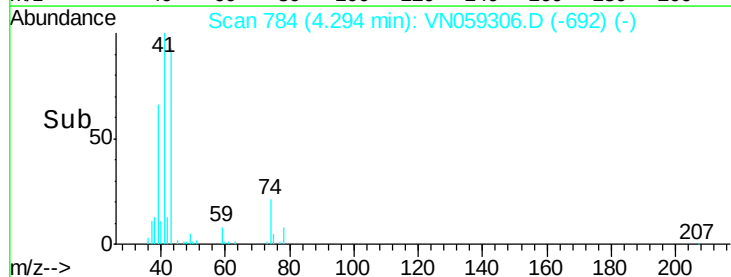
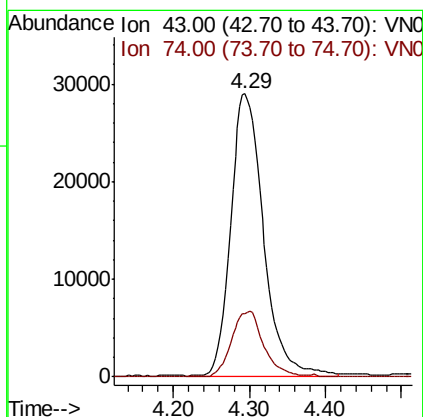
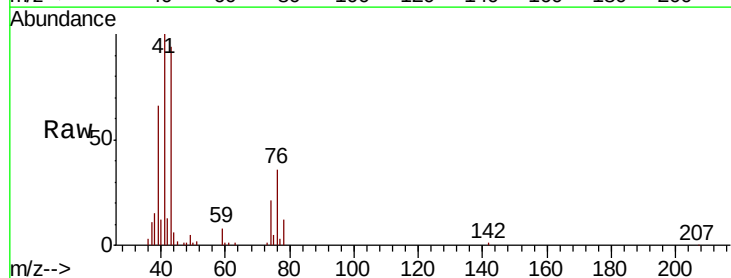
Instrument :
MSVOA_N
ClientSampled :

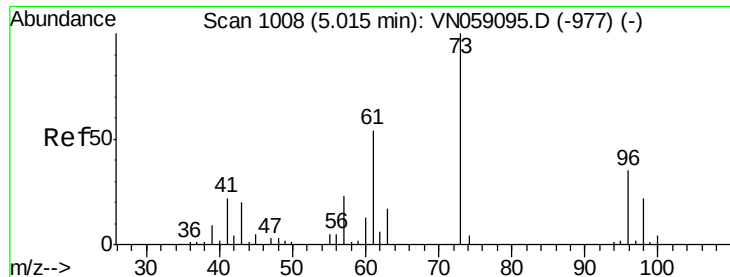
Tot Ion: 76 Resp: 166960
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 13.720 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion: 43 Resp: 87388
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8

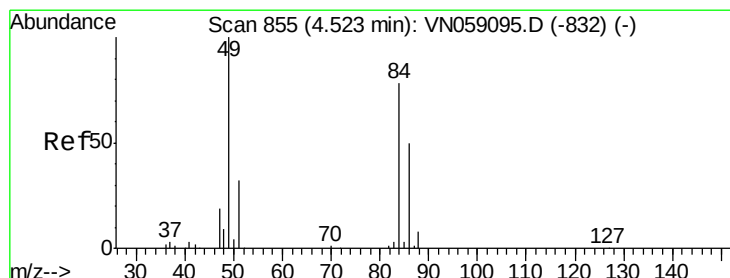
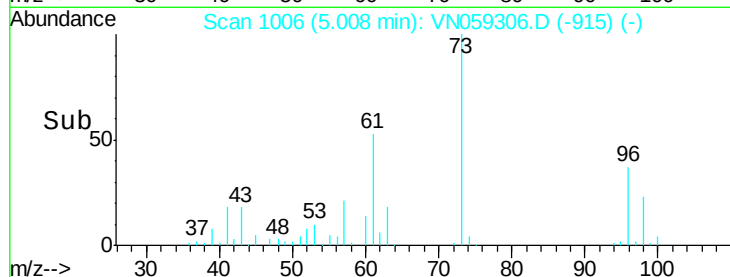
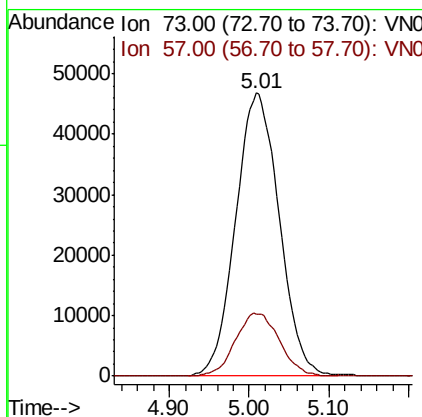
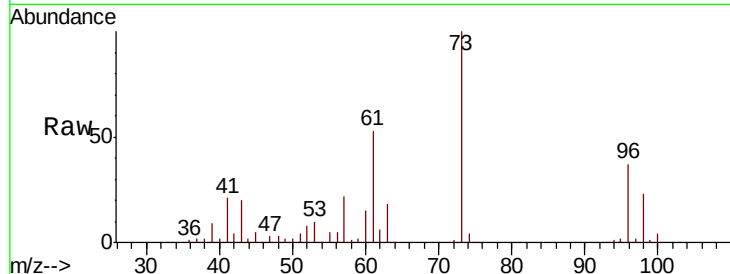




#19
Methyl tert-butyl Ether
Concen: 12.881 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

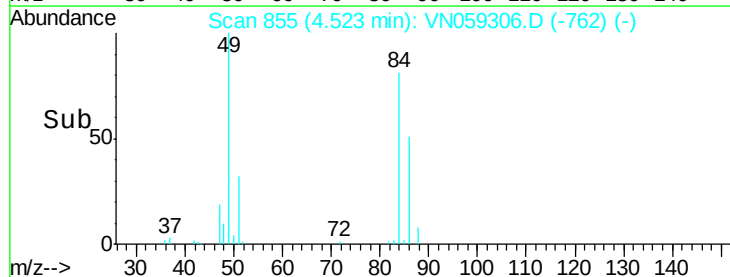
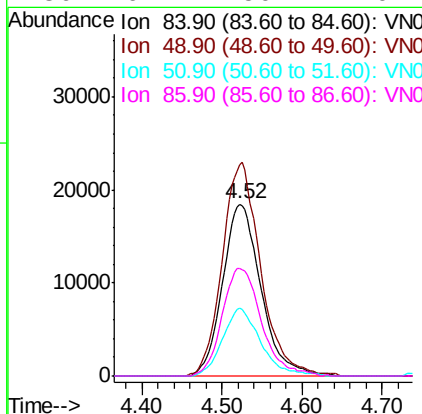
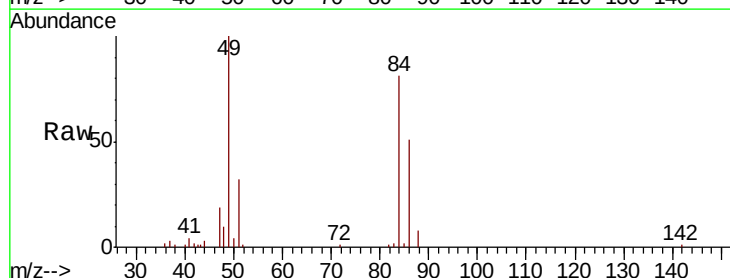
Instrument :
MSVOA_N
ClientSampled :

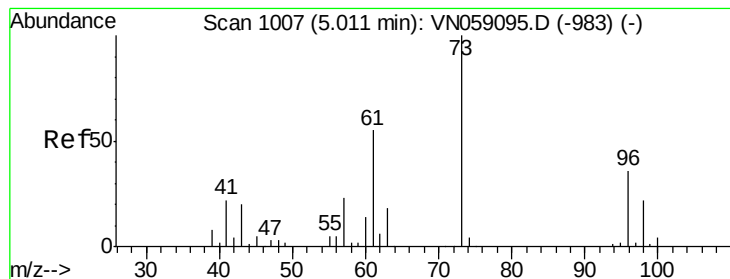
Tot Ion: 73 Resp: 173664
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6



#20
Methylene Chloride
Concen: 12.902 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion: 84 Resp: 60318
Ion Ratio Lower Upper
84 100
49 122.4 102.0 153.0
51 39.8 32.2 48.2
86 62.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 13.252 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :

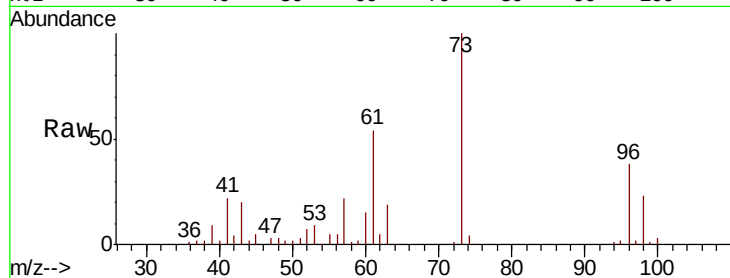
Tot Ion: 96 Resp: 55704

Ion Ratio Lower Upper

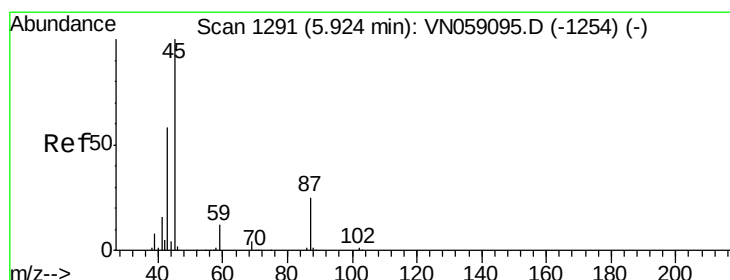
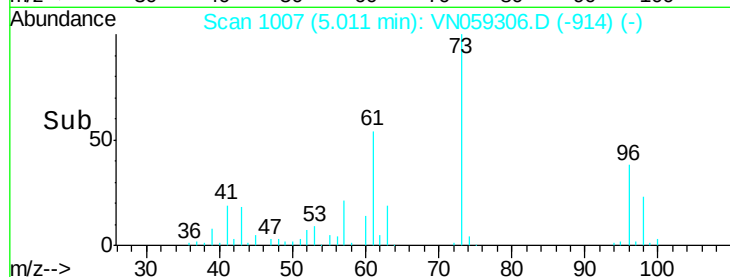
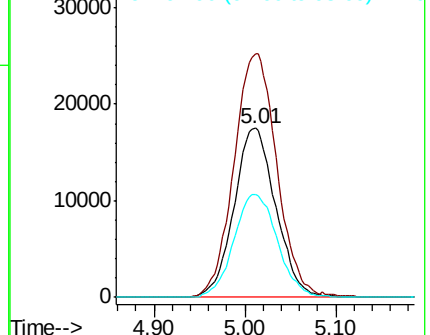
96 100

61 143.8 122.6 183.8

98 60.7 50.3 75.5



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



#22

Diisopropyl ether

Concen: 12.304 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion: 45 Resp: 186941

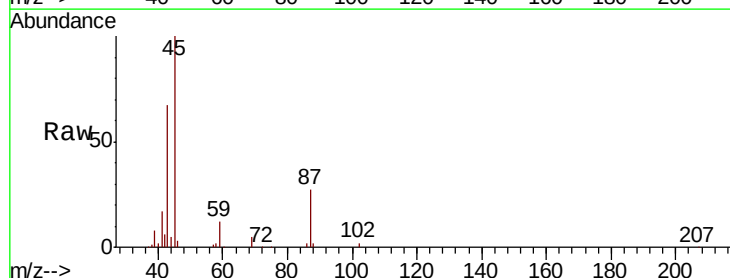
Ion Ratio Lower Upper

45 100

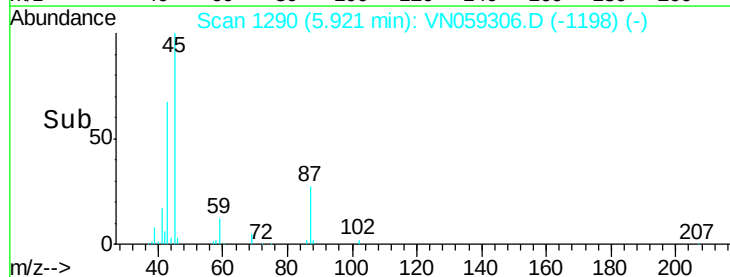
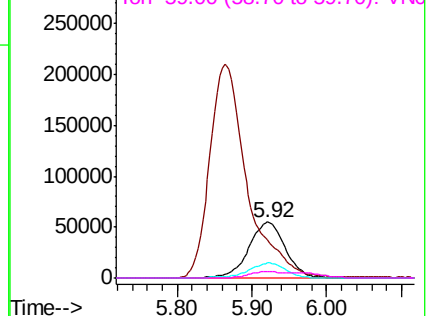
43 65.3 46.7 70.1

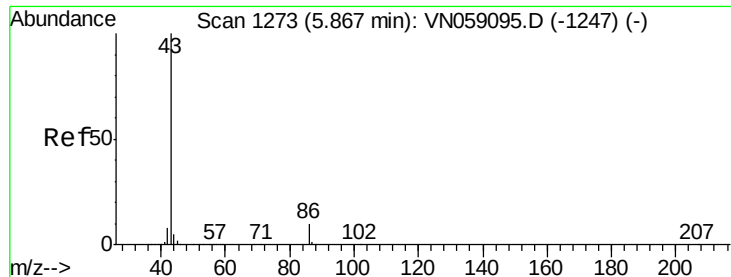
87 26.7 20.5 30.7

59 12.0 9.6 14.4



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





#23

Vinyl Acetate

Concen: 62.013 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

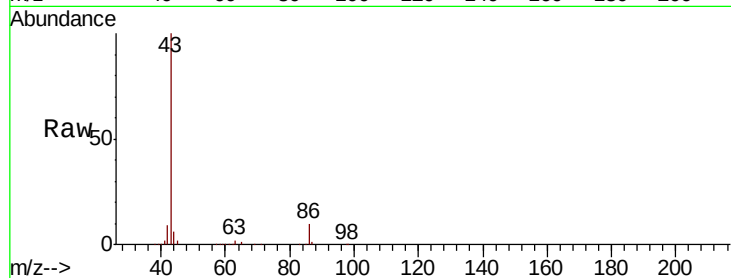
ClientSampleId :

Tot Ion: 43 Resp: 730241

Ion Ratio Lower Upper

43 100

86 10.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN059095.D (-1247) (-)

5.86

250000

200000

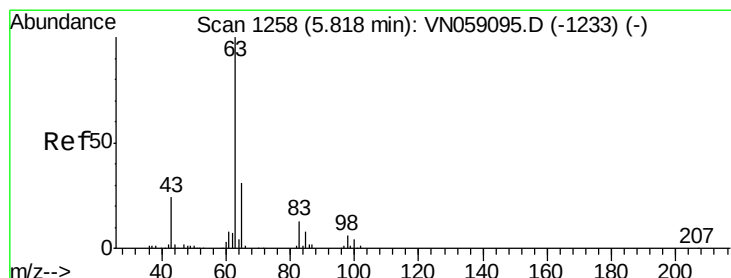
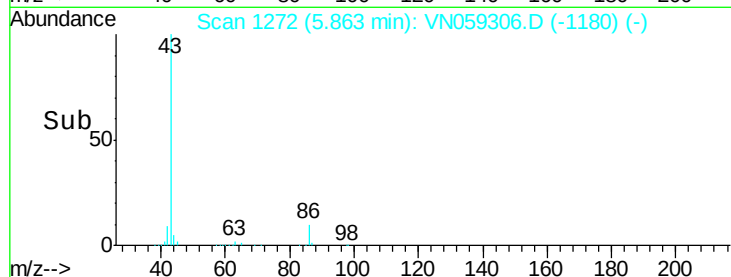
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 12.727 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

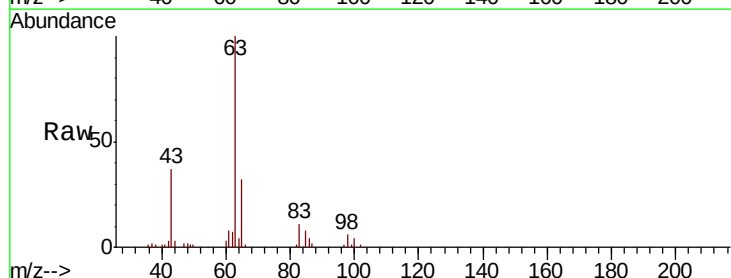
Tgt Ion: 63 Resp: 108007

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059095.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059095.D (-1233) (-)

5.82

40000

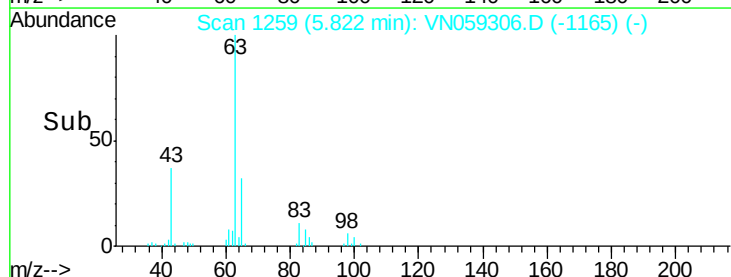
30000

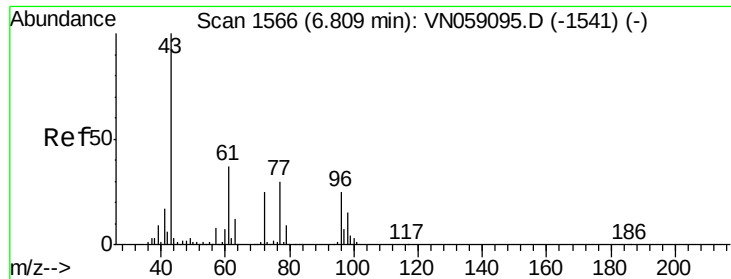
20000

10000

0

Time--> 5.70 5.80 5.90

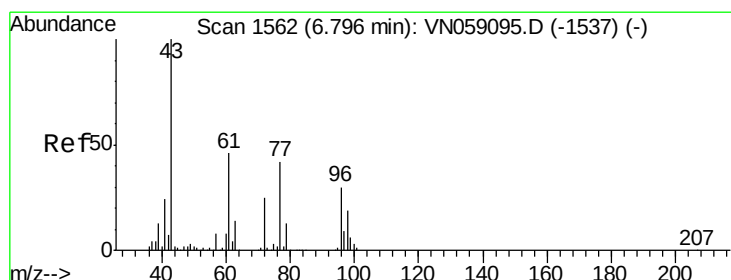
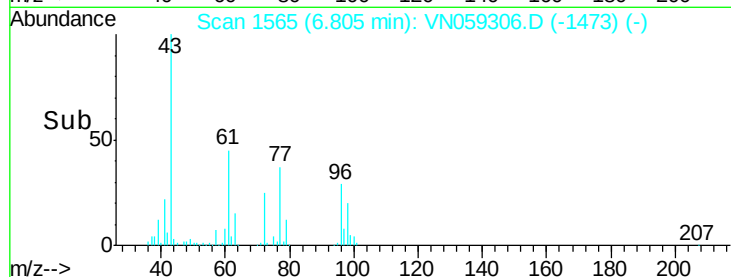
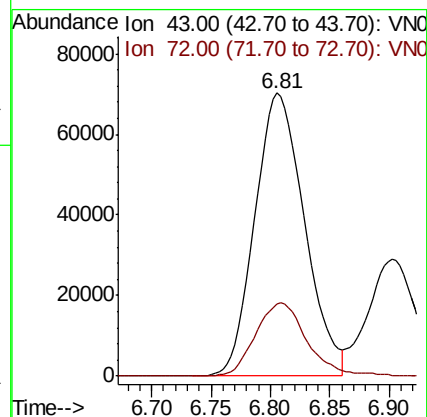
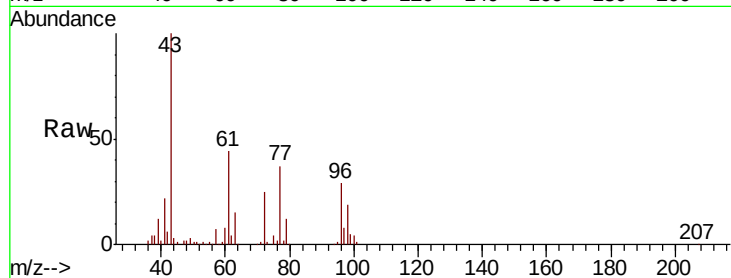




#25
2-Butanone
Concen: 57.172 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

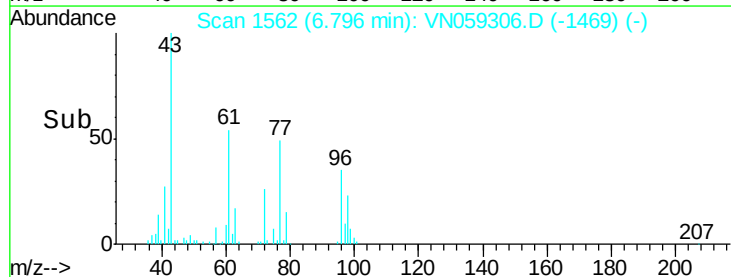
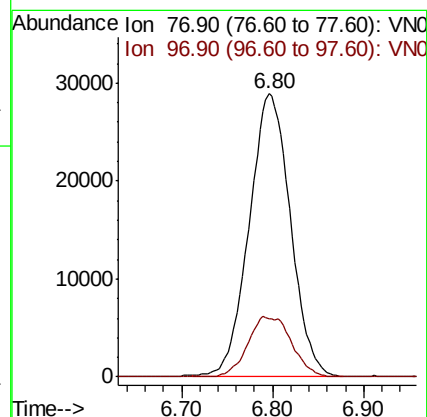
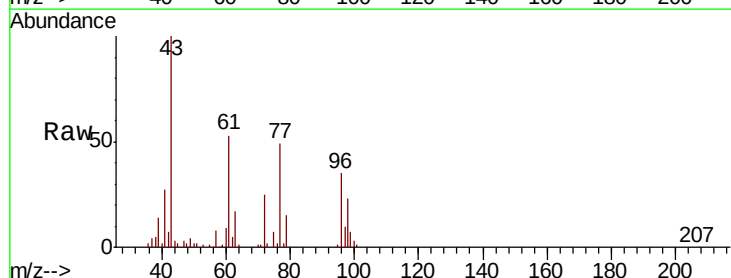
Instrument :
MSVOA_N
ClientSampled :

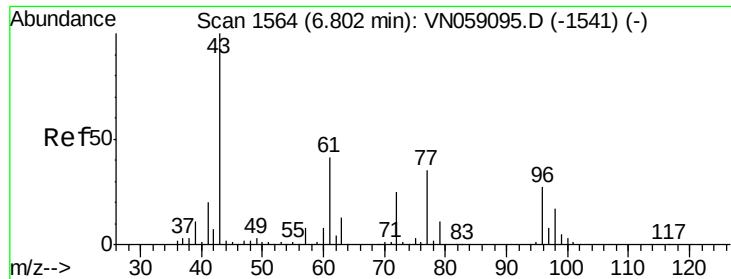
Tot Ion: 43 Resp: 202201
Ion Ratio Lower Upper
43 100
72 25.4 20.3 30.5



#26
2,2-Dichloropropane
Concen: 12.294 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion: 77 Resp: 91231
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 12.940 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :

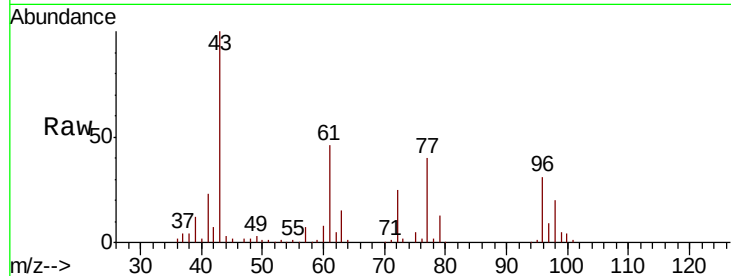
Tot Ion: 96 Resp: 63103

Ion Ratio Lower Upper

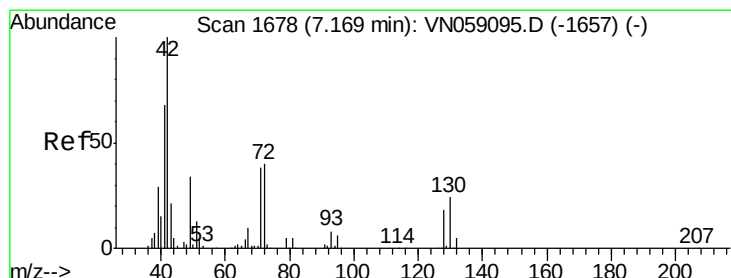
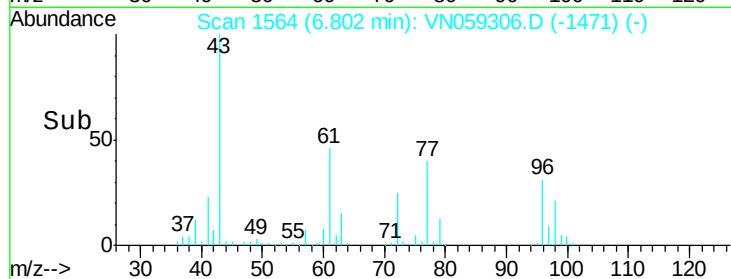
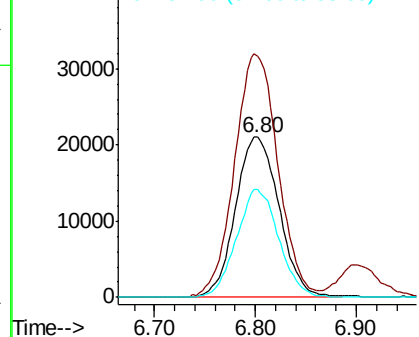
96 100

61 151.8 0.0 311.6

98 65.4 0.0 129.8



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: 14.978 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

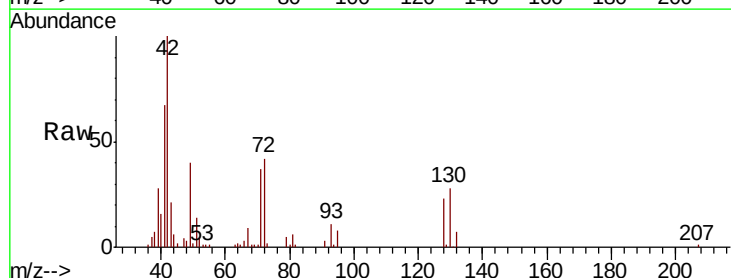
Tgt Ion: 49 Resp: 38242

Ion Ratio Lower Upper

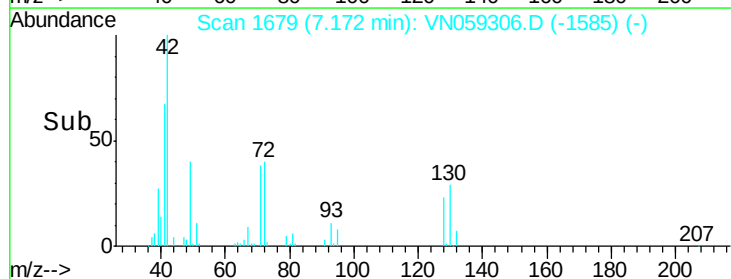
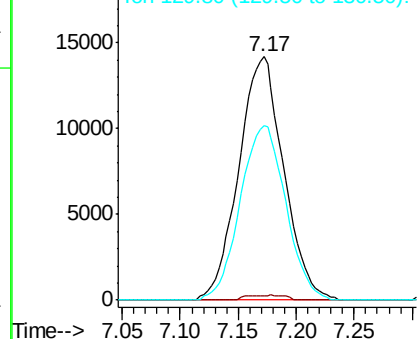
49 100

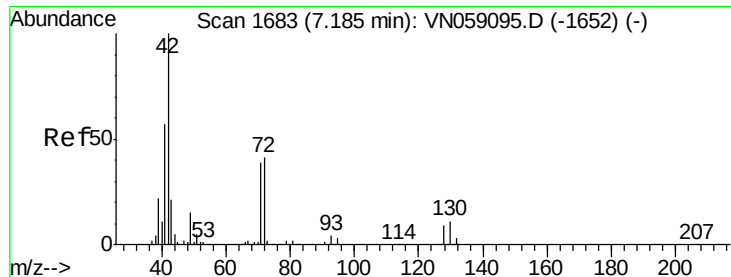
129 1.0 0.0 3.8

130 72.4 55.6 83.4



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

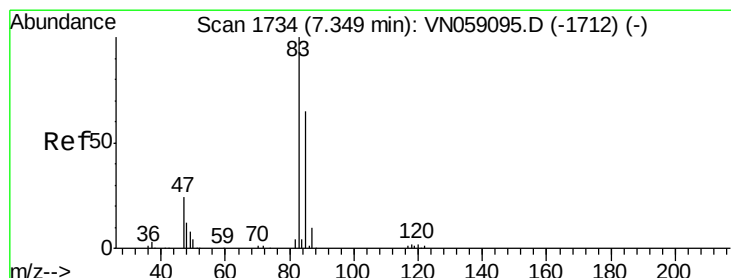
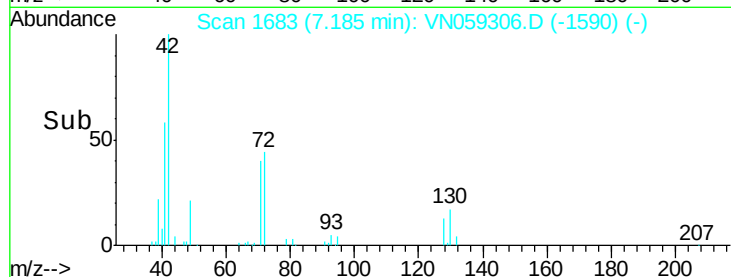
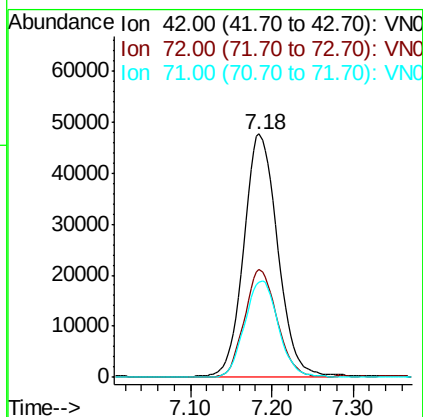
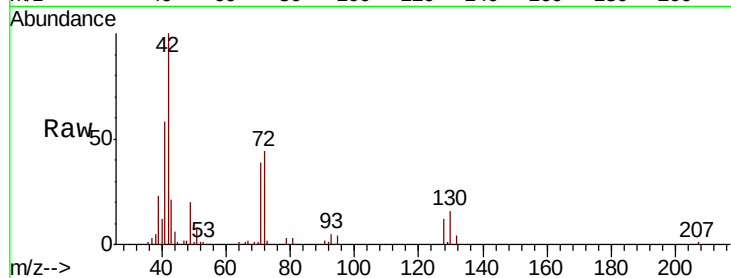




#29
Tetrahydrofuran
Concen: 61.065 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

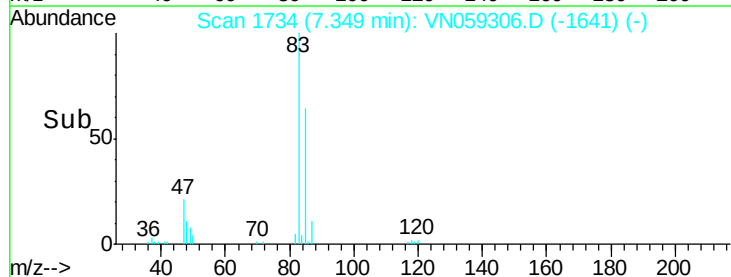
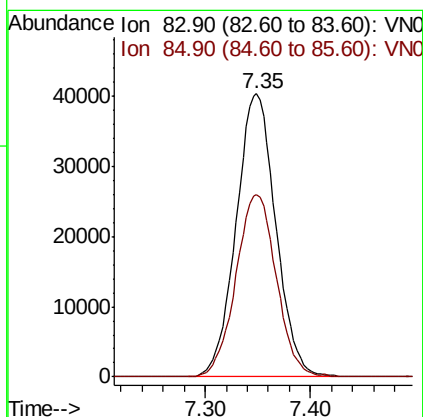
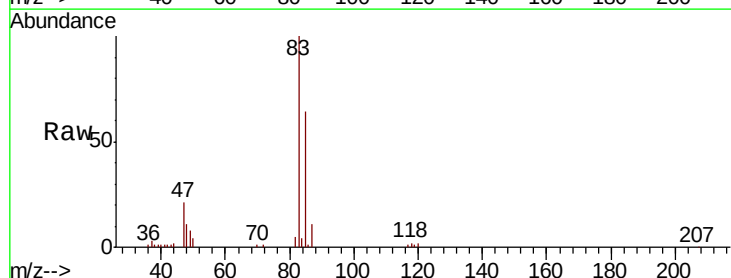
Instrument :
MSVOA_N
ClientSampled :

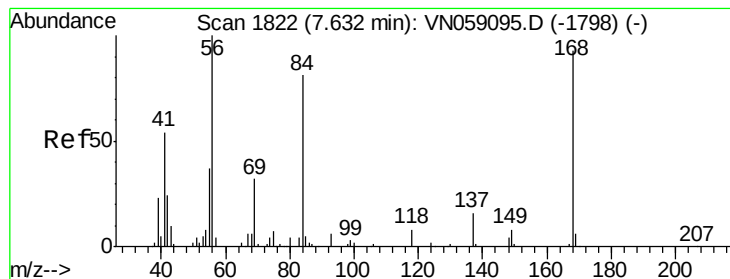
Tot Ion: 42 Resp: 137226
Ion Ratio Lower Upper
42 100
72 42.0 33.1 49.7
71 39.2 30.9 46.3



#30
Chloroform
Concen: 12.941 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion: 83 Resp: 105345
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.8





#31

Cyclohexane

Concen: 12.938 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

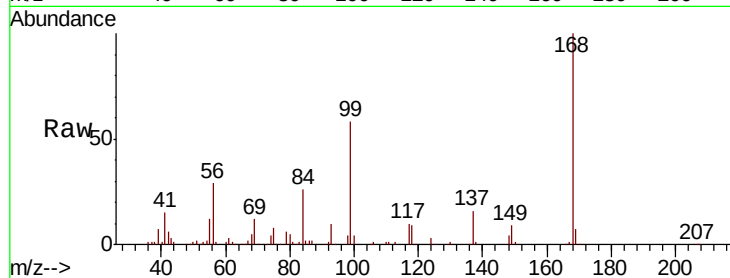
Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

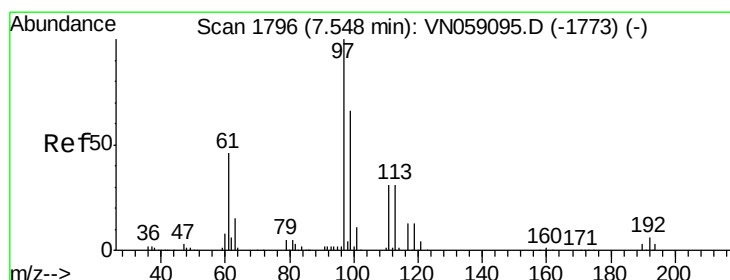
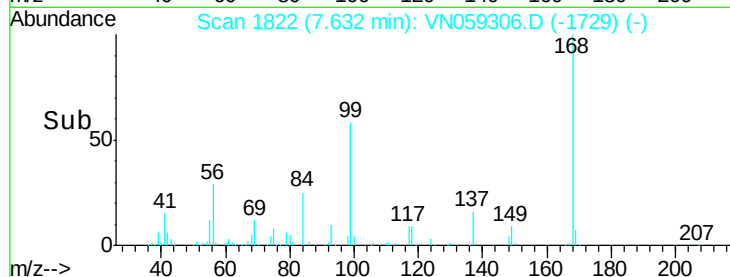
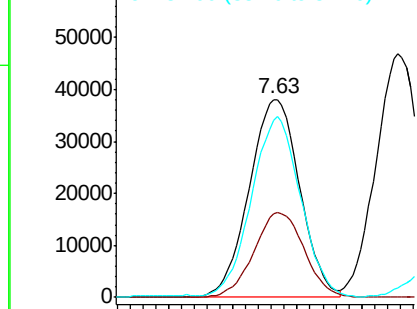
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 103938

Ion	Ratio	Lower	Upper
56	100		
69	42.6	25.8	38.8#
84	88.3	65.0	97.4



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



#32

1,1,1-Trichloroethane

Concen: 12.922 ug/l

RT: 7.55 min Scan# 1796

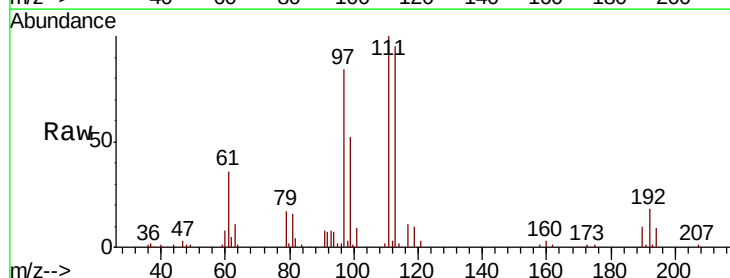
Delta R.T. -0.00 min

Lab File: VN059306.D

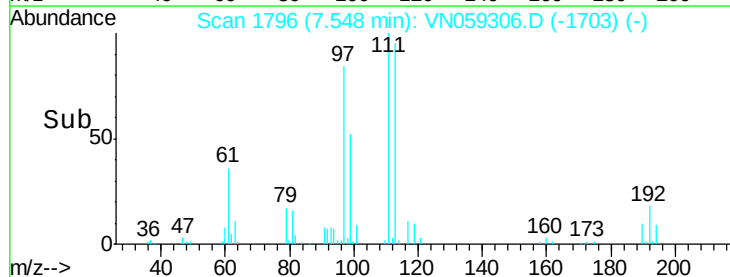
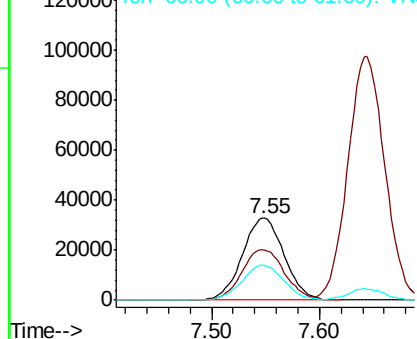
Acq: 19 Nov 2019 14:55

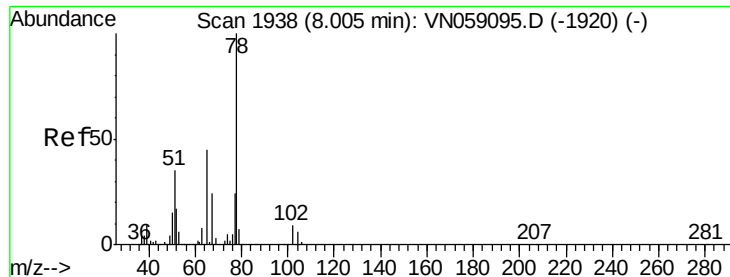
Tgt Ion: 97 Resp: 88439

Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.0	76.6
61	42.7	35.8	53.8



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

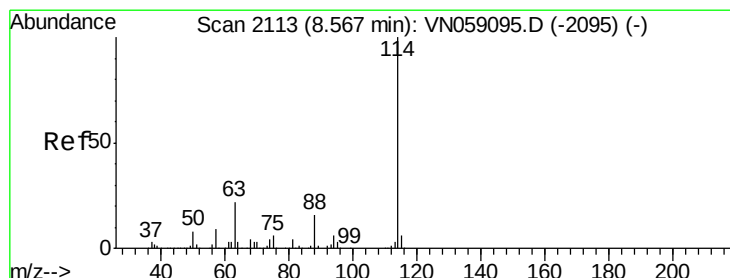
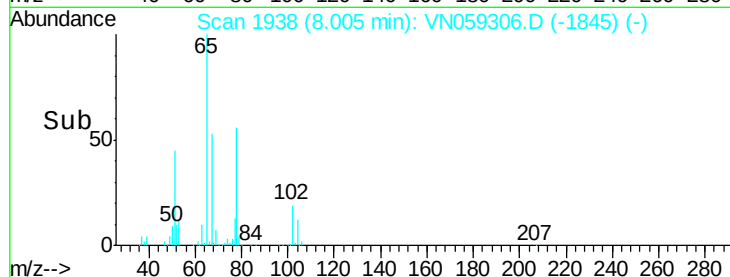
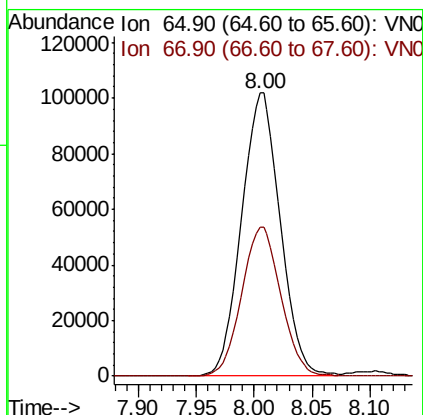
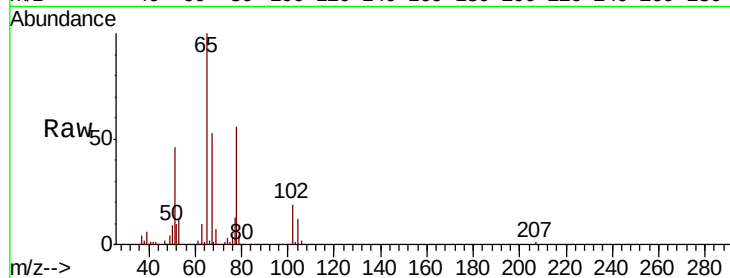




#33
 1,2-Dichloroethane-d4
 Concen: 45.904 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

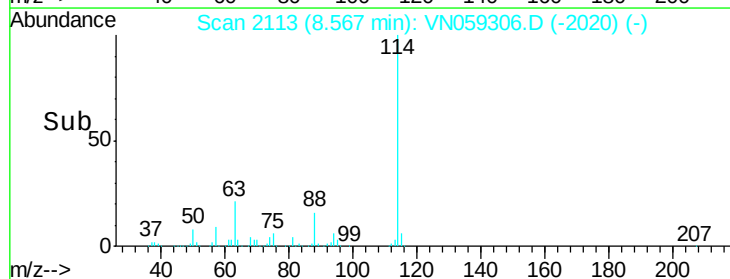
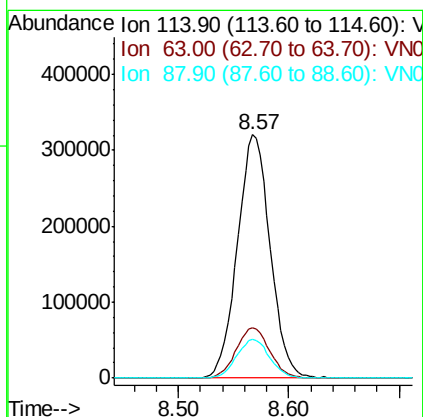
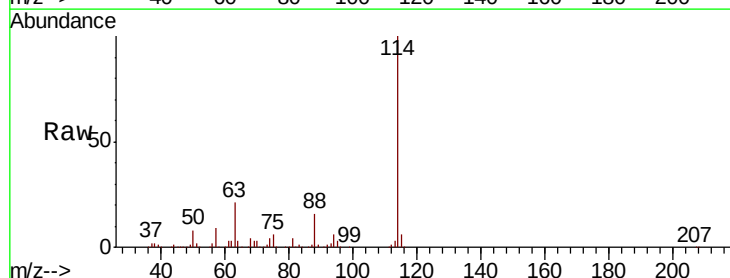
Instrument :
 MSVOA_N
 ClientSampleId :

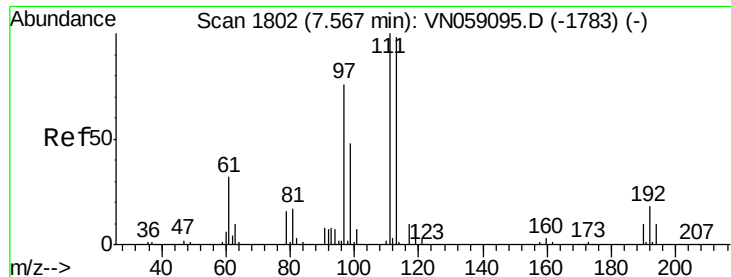
Tot Ion: 65 Resp: 236881
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion: 114 Resp: 659505
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.4
 88 15.8 0.0 32.2

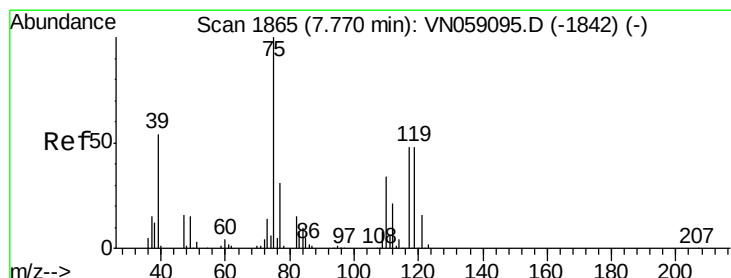
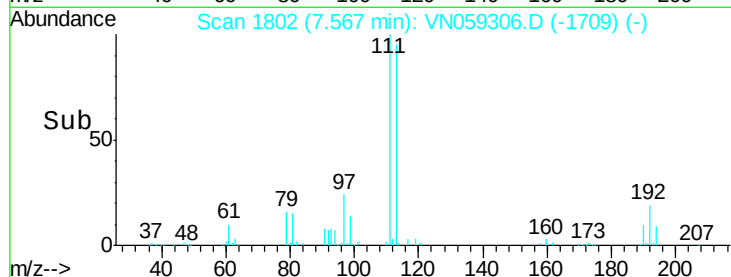
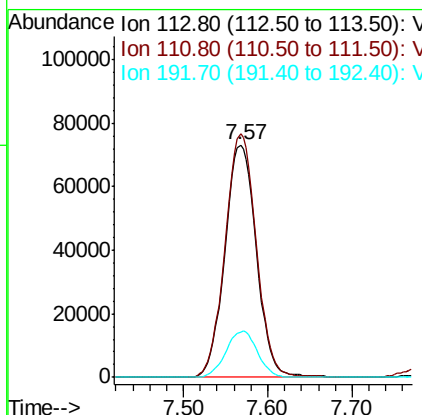
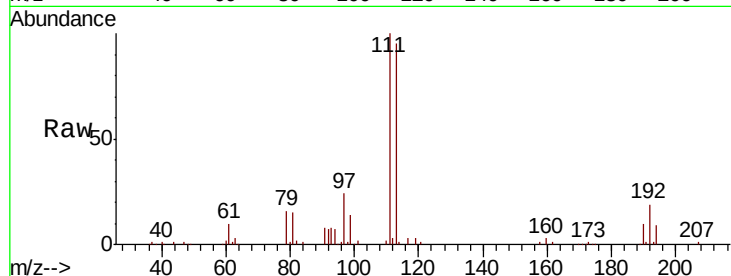




#35
 Dibromofluoromethane
 Concen: 48.318 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

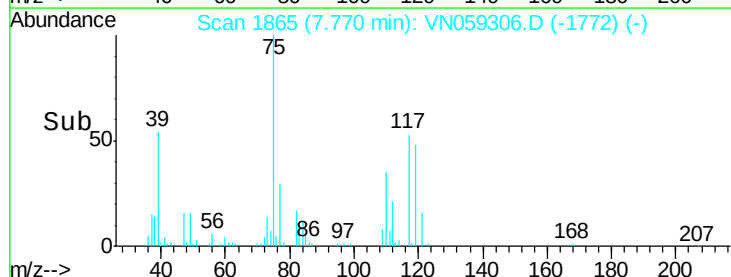
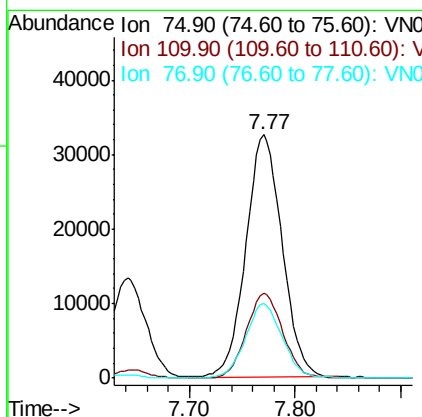
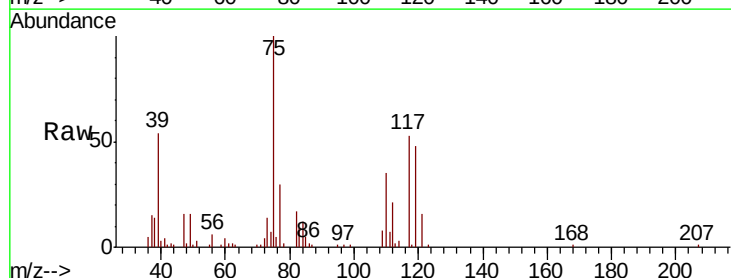
Instrument :
 MSVOA_N
 ClientSampled :

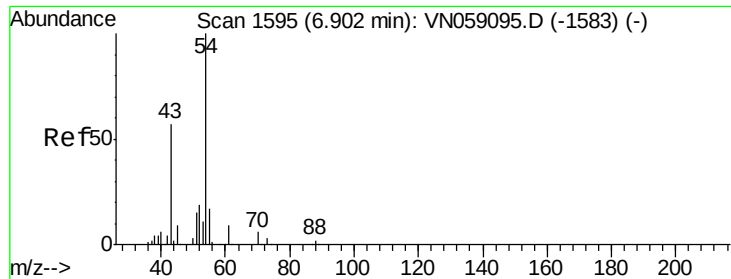
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.8	124.2
192	19.9	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 12.681 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.1	51.2
77	30.9	24.8	37.2

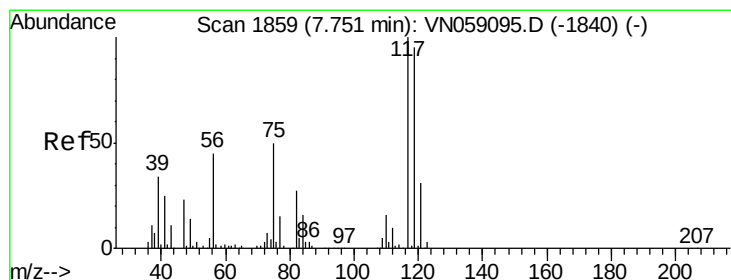
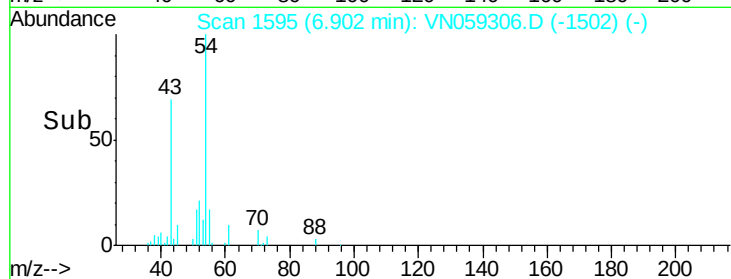
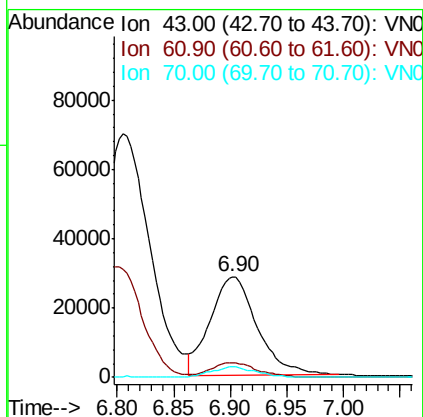
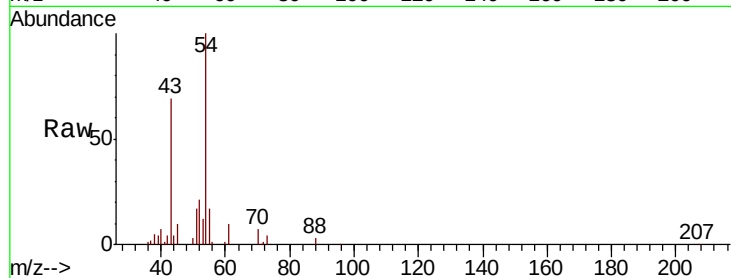




#37
Ethyl Acetate
Concen: 12.004 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

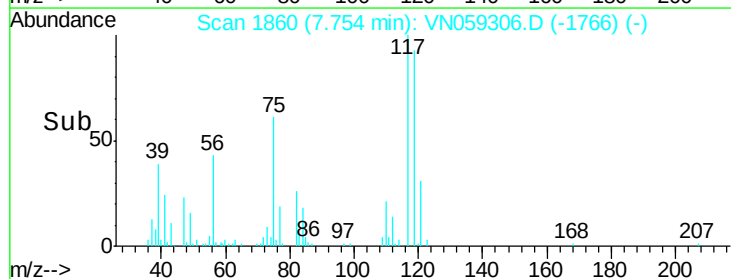
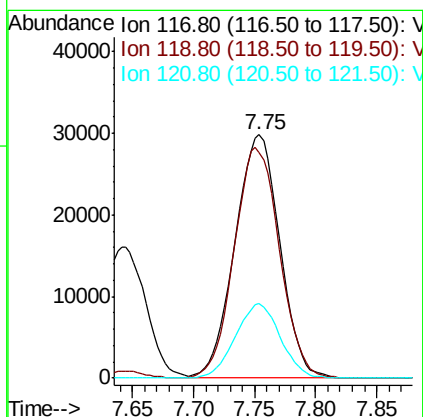
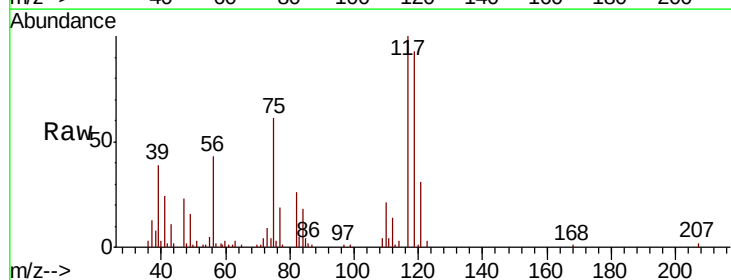
Instrument :
MSVOA_N
ClientSampled :

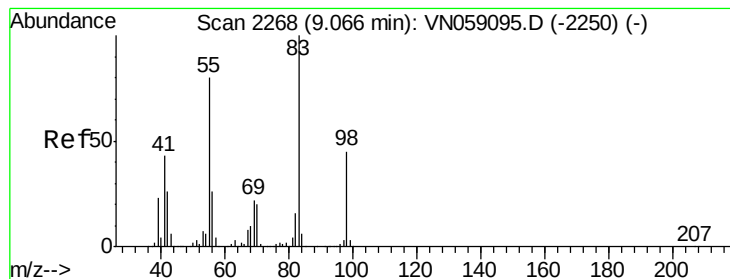
Tot Ion: 43 Resp: 82318
Ion Ratio Lower Upper
43 100
61 14.8 11.2 16.8
70 10.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 12.402 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion: 117 Resp: 76095
Ion Ratio Lower Upper
117 100
119 92.9 75.6 113.4
121 30.6 24.6 36.8





#39

Methylvlcyclohexane

Concen: 13.158 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

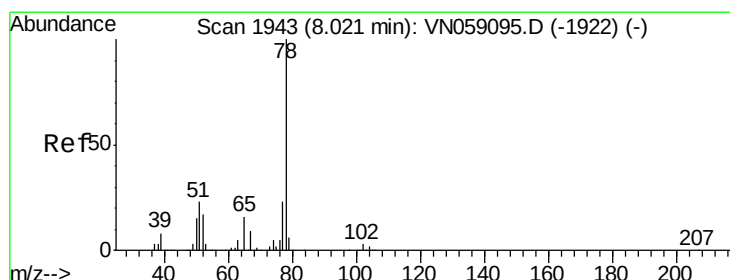
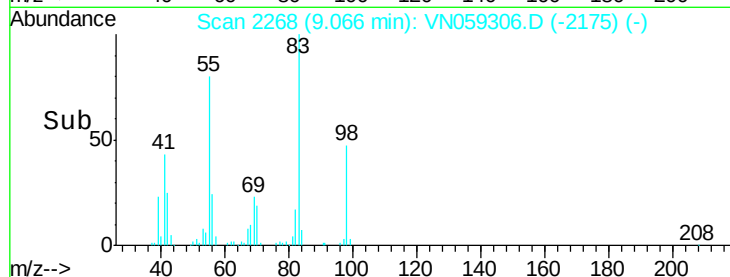
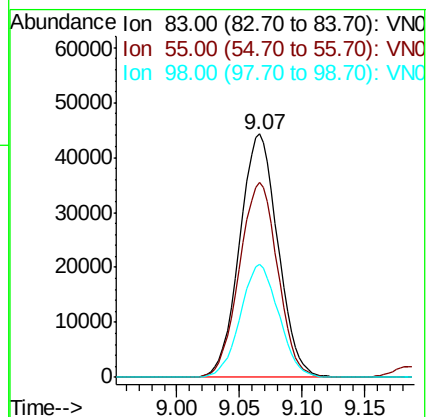
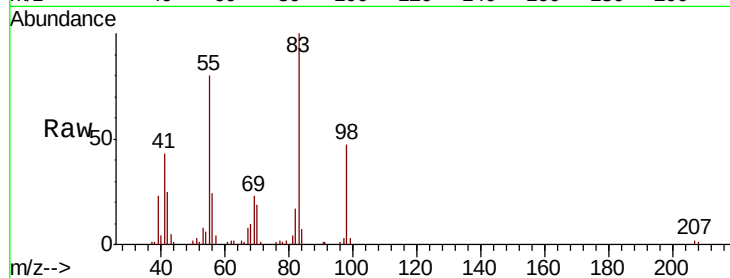
Tot Ion: 83 Resp: 94136

Ion Ratio Lower Upper

83 100

55 80.2 63.9 95.9

98 46.6 35.6 53.4



#40

Benzene

Concen: 12.932 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN059306.D

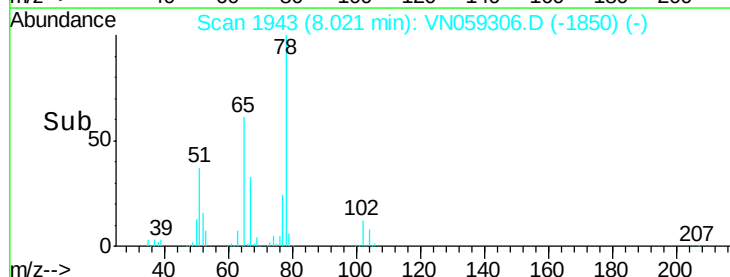
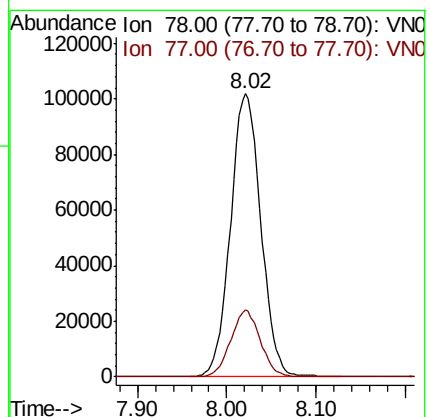
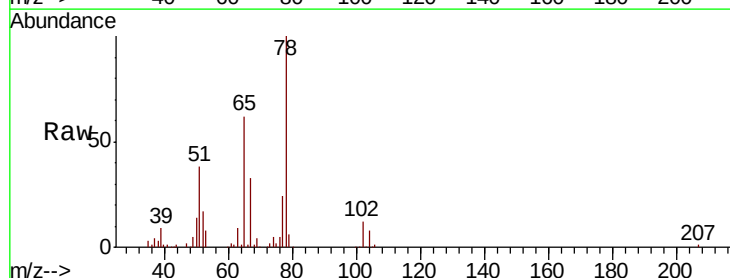
Acq: 19 Nov 2019 14:55

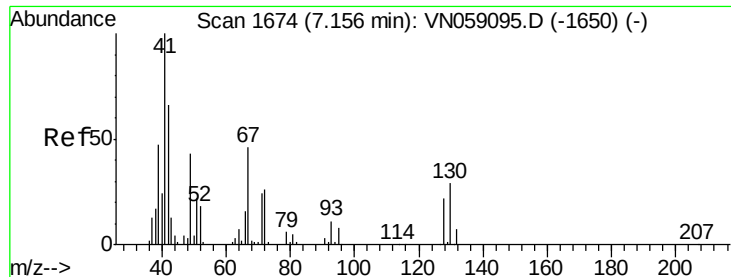
Tgt Ion: 78 Resp: 240057

Ion Ratio Lower Upper

78 100

77 23.9 18.8 28.2

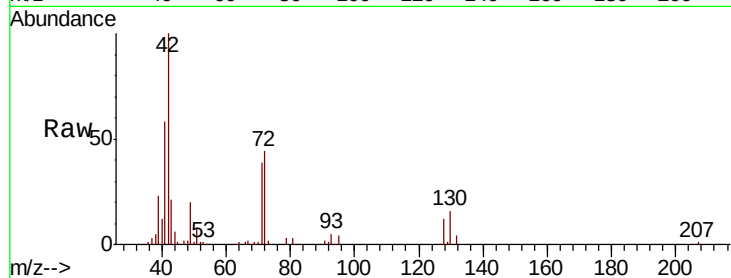




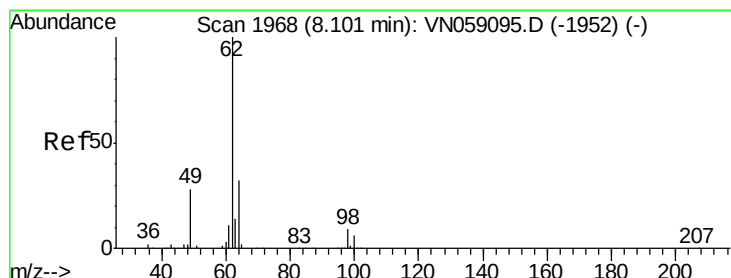
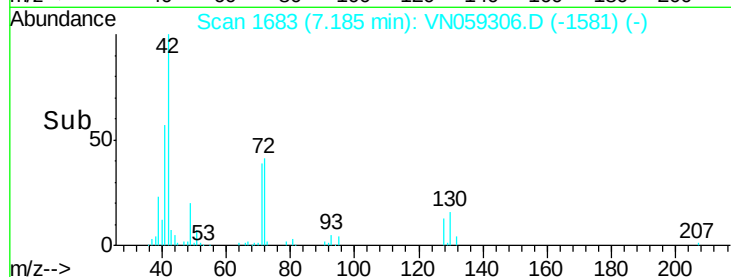
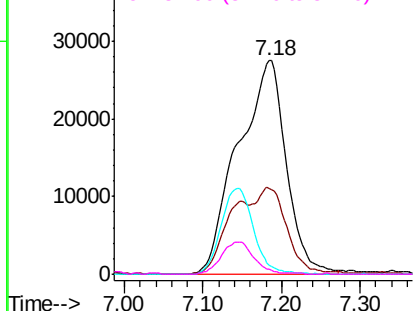
#41
Methacrylonitrile
Concen: 39.619 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	118146
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

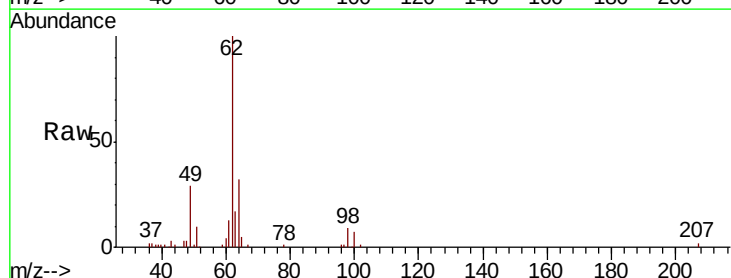


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

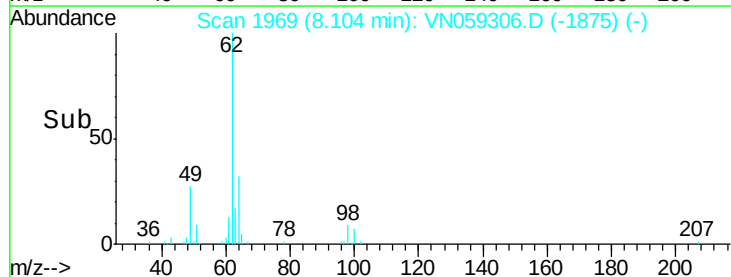
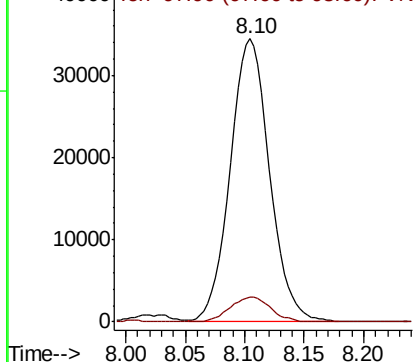


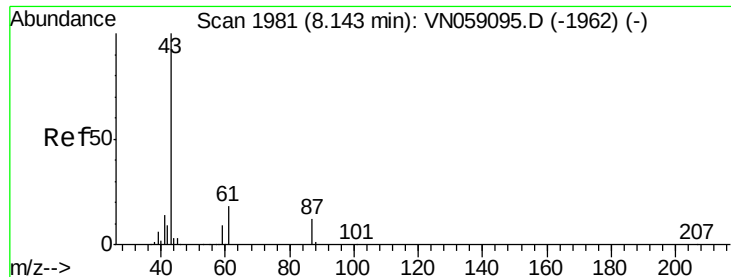
#42
1,2-Dichloroethane
Concen: 12.434 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion:	62	Resp:	79165
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



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

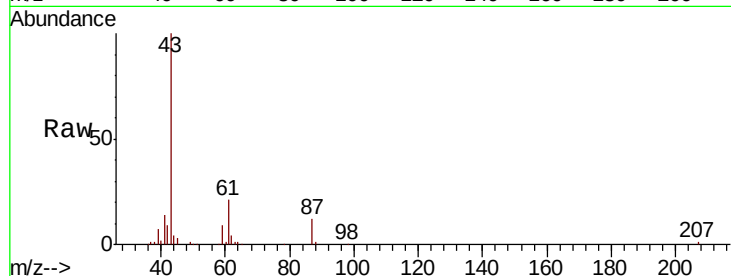




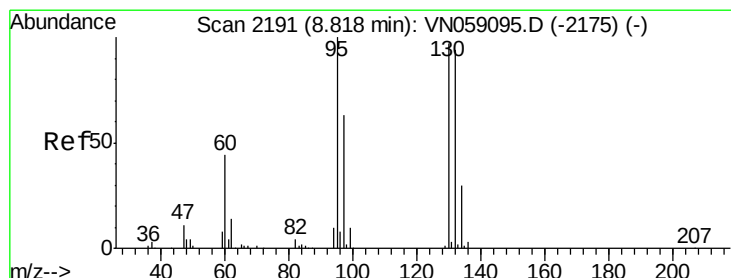
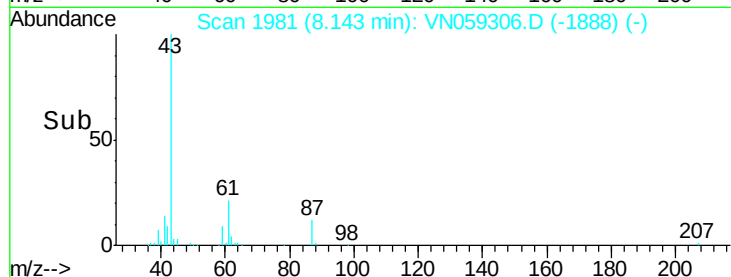
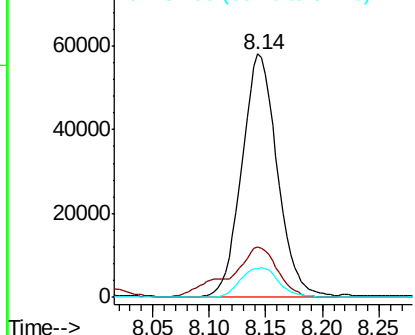
#43
Isopropyl Acetate
Concen: 11.624 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 127080
Ion Ratio Lower Upper
43 100
61 21.2 21.0 31.6
87 13.2 9.8 14.6

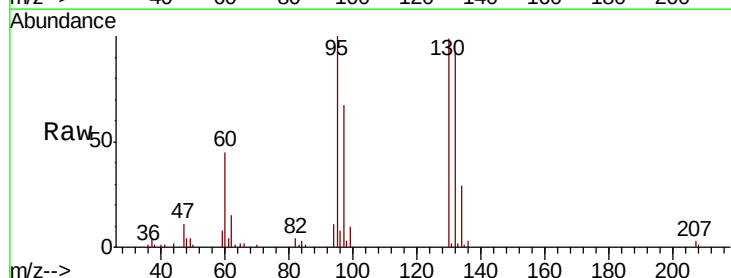


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

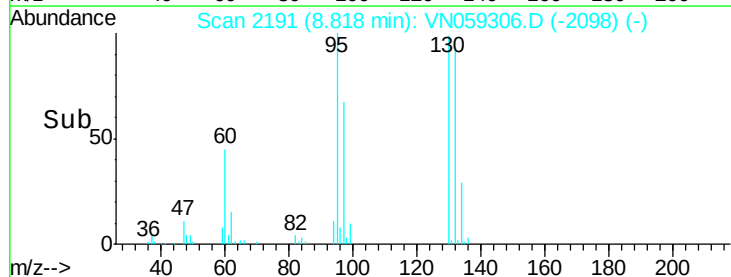
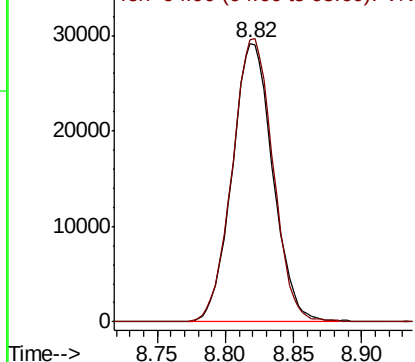


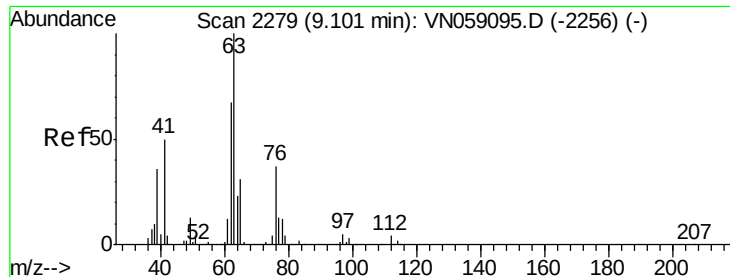
#44
Trichloroethene
Concen: 13.250 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion:130 Resp: 60464
Ion Ratio Lower Upper
130 100
95 101.4 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 12.468 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

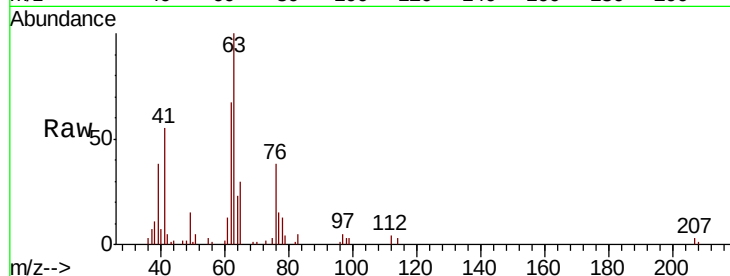
ClientSampled :

Tot Ion: 63 Resp: 62867

Ion Ratio Lower Upper

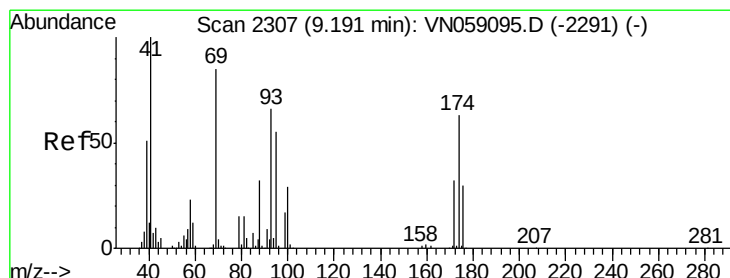
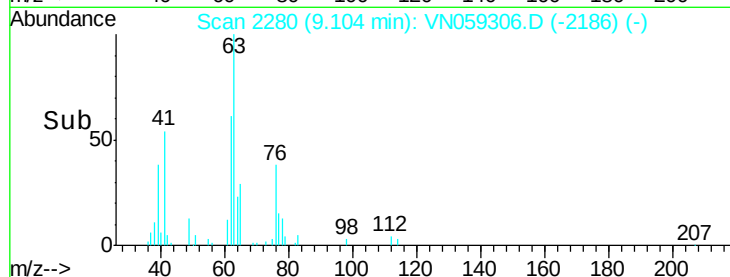
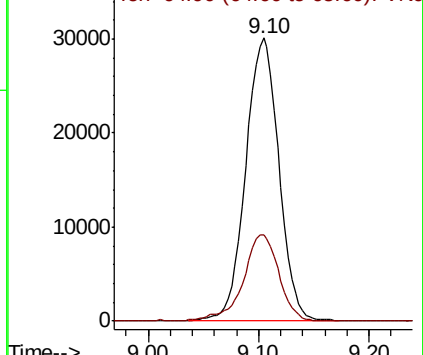
63 100

65 30.3 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 12.302 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

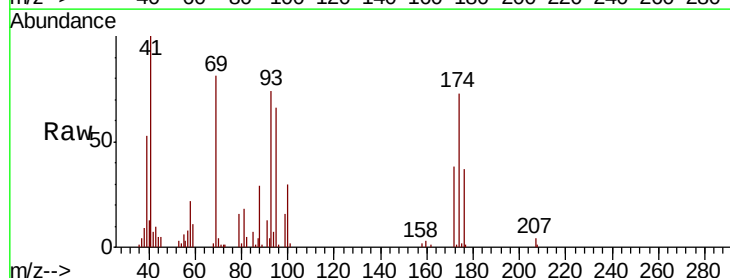
Tgt Ion: 93 Resp: 38652

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

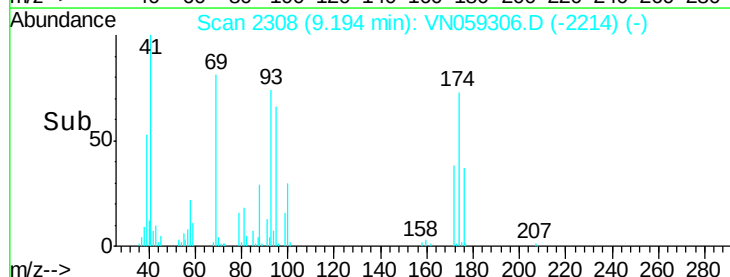
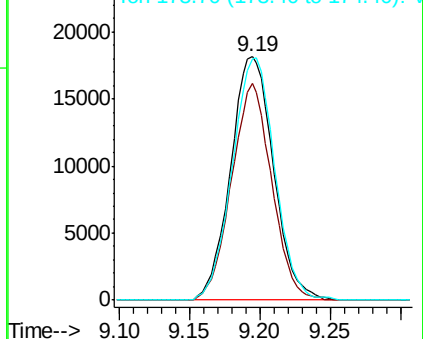
174 98.2 78.2 117.2

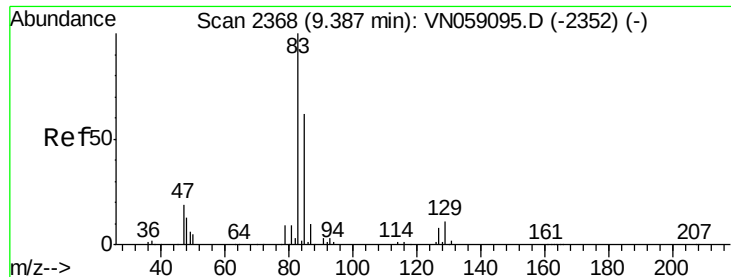


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 12.309 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

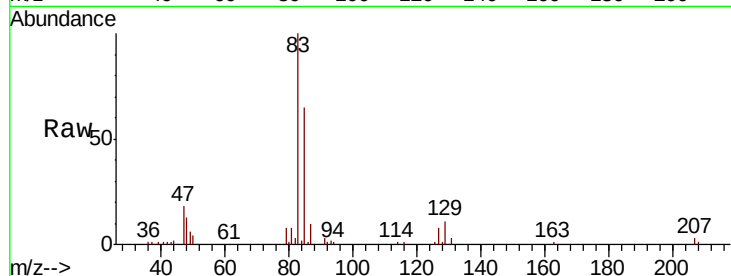
Tot Ion: 83 Resp: 77229

Ion Ratio Lower Upper

83 100

85 65.3 49.7 74.5

127 8.2 6.4 9.6



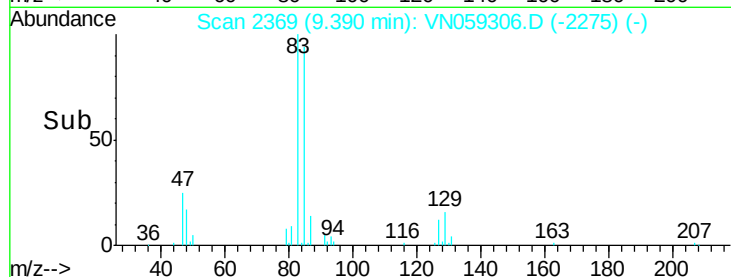
Abundance Ion 82.90 (82.60 to 83.60): VN059095.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059095.D (-2352) (-)

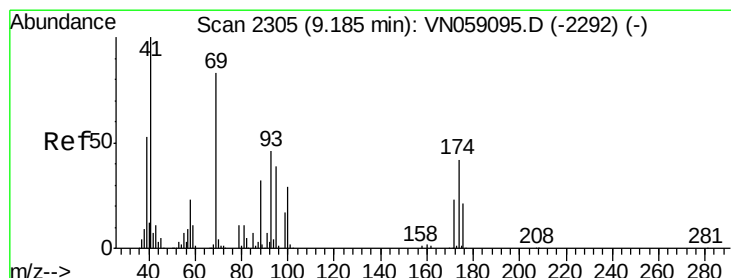
Ion 126.80 (126.50 to 127.50): VN059095.D (-2352) (-)

9.39

Time-->



Time-->



#48

Methyl methacrylate

Concen: 11.452 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

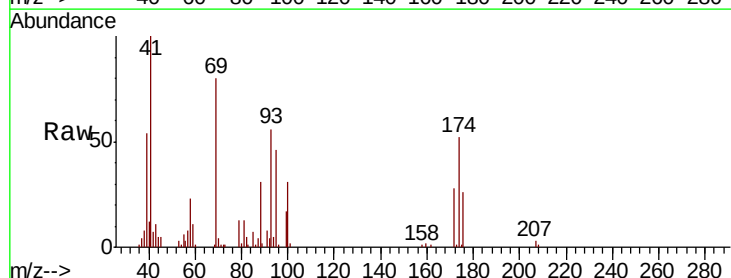
Tgt Ion: 41 Resp: 56004

Ion Ratio Lower Upper

41 100

69 86.1 67.3 100.9

39 54.4 43.3 64.9



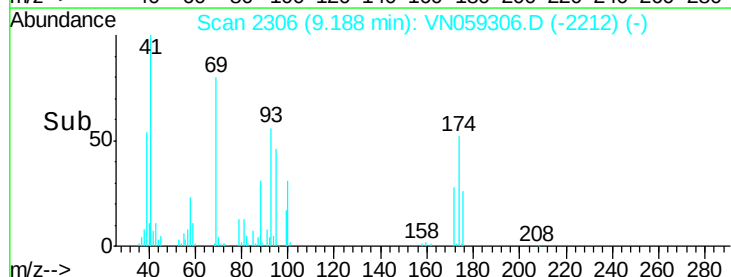
Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN059095.D (-2292) (-)

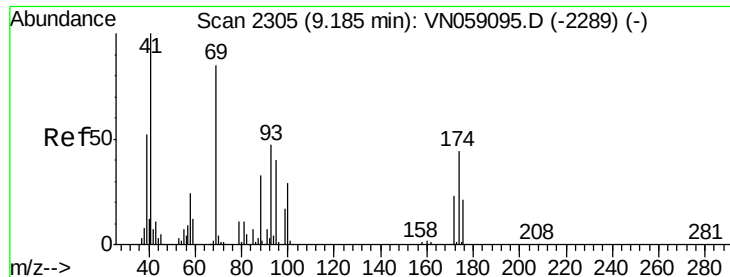
Ion 39.00 (38.70 to 39.70): VN059095.D (-2292) (-)

9.19

Time-->



Time-->



#49

1,4-Dioxane

Concen: 230.267 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

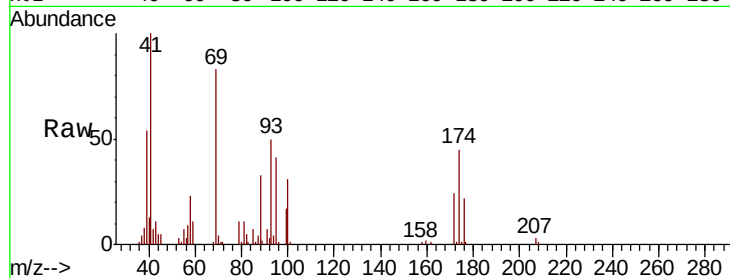
Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 20012

Ion	Ratio	Lower	Upper
88	100		
43	33.7	26.3	39.5
58	73.6	60.6	90.8

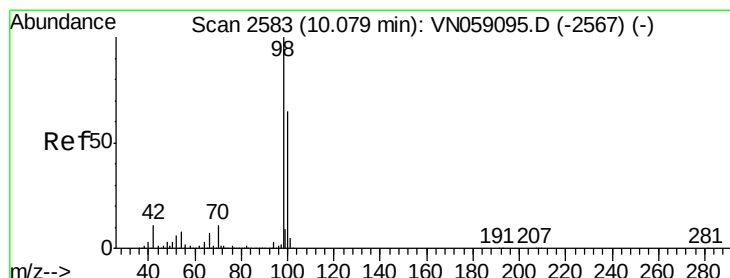
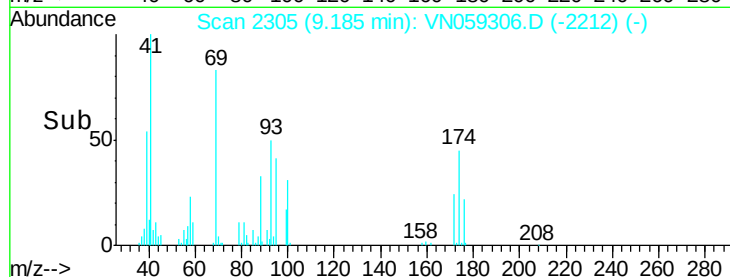
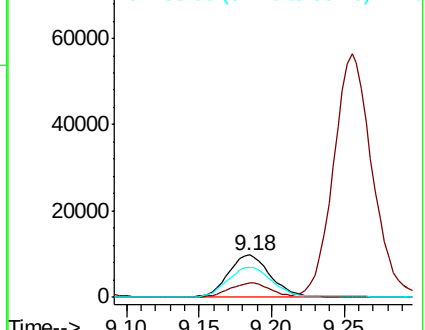


Abundance

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: 45.588 ug/l

RT: 10.08 min Scan# 2584

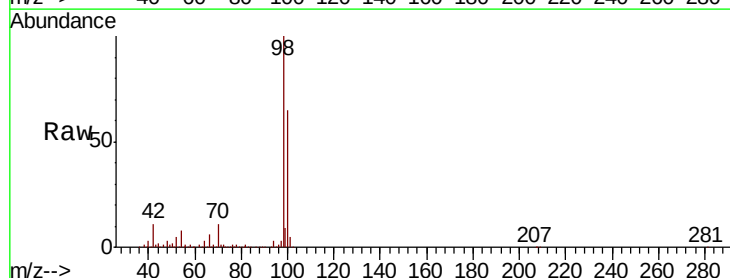
Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion: 98 Resp: 707115

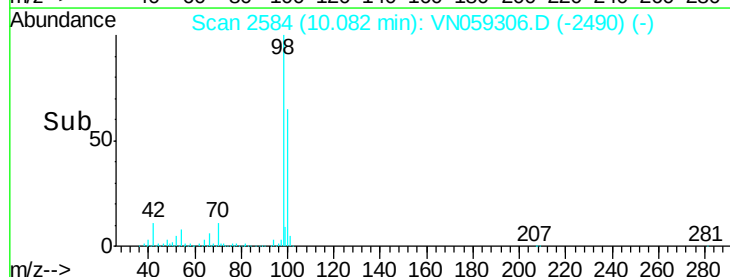
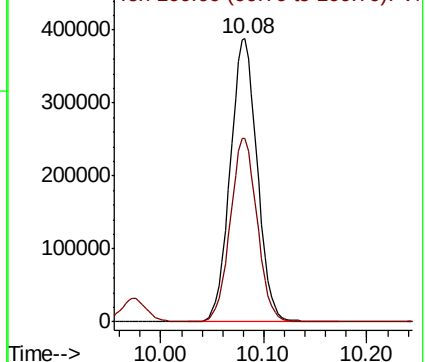
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2

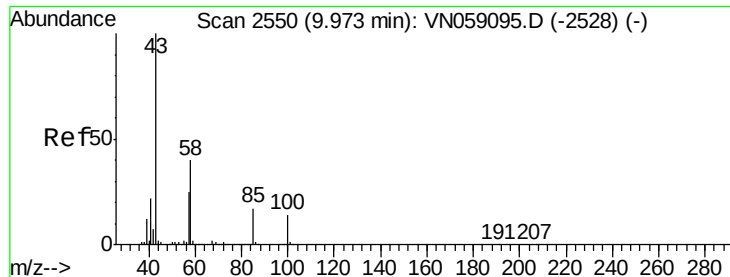


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 62.643 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

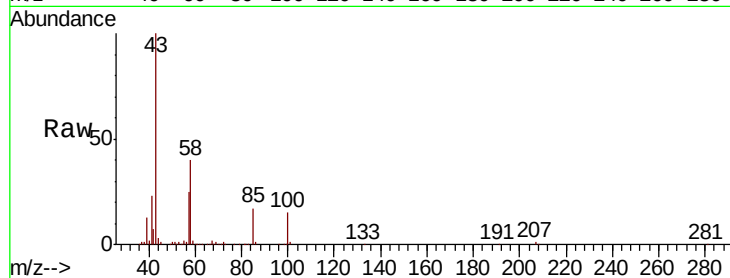
ClientSampleId :

Tot Ion: 43 Resp: 387519

Ion Ratio Lower Upper

43 100

58 39.7 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

200000

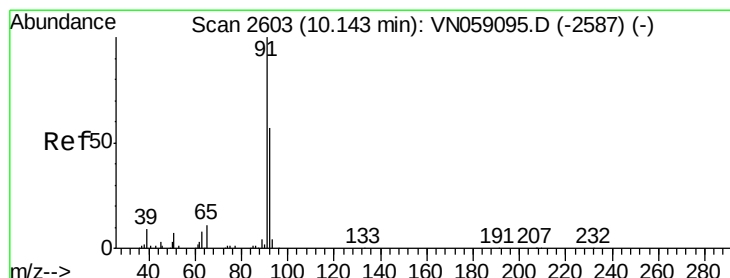
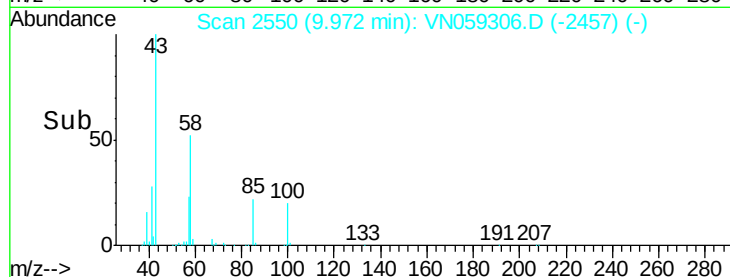
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 12.942 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059306.D

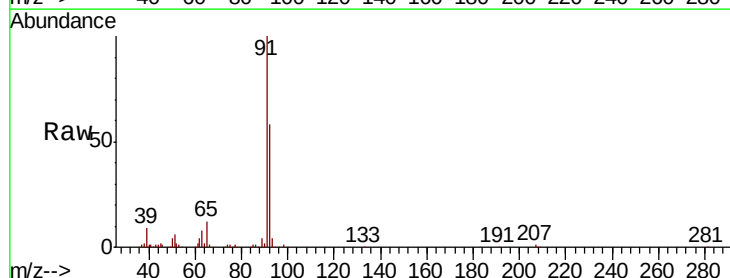
Acq: 19 Nov 2019 14:55

Tgt Ion: 92 Resp: 144000

Ion Ratio Lower Upper

92 100

91 174.7 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.15

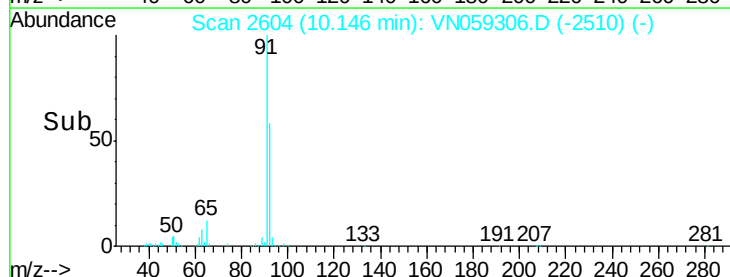
150000

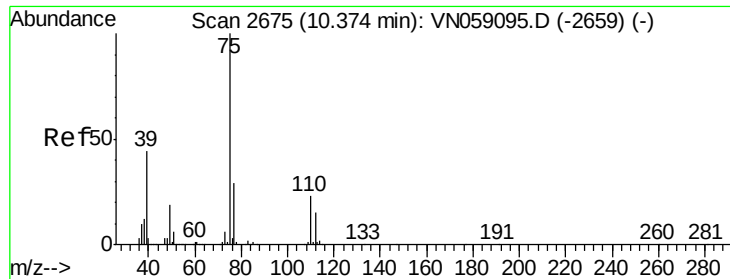
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 12.081 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

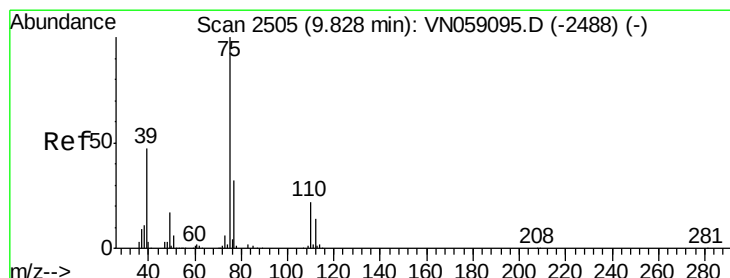
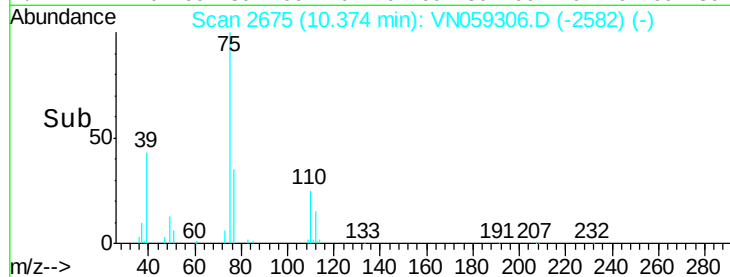
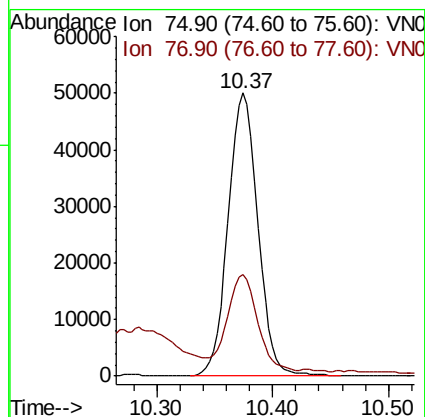
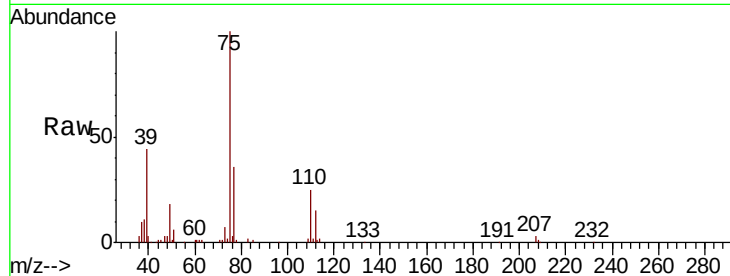
ClientSampled :

Tot Ion: 75 Resp: 87568

Ion Ratio Lower Upper

75 100

77 34.2 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 12.666 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

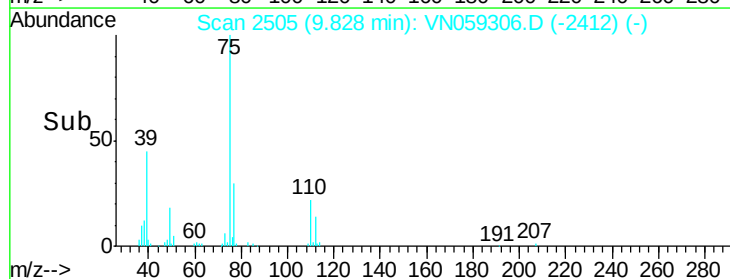
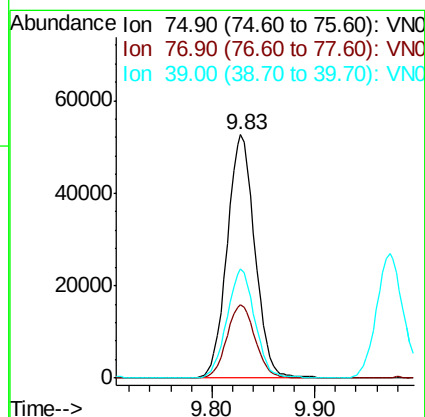
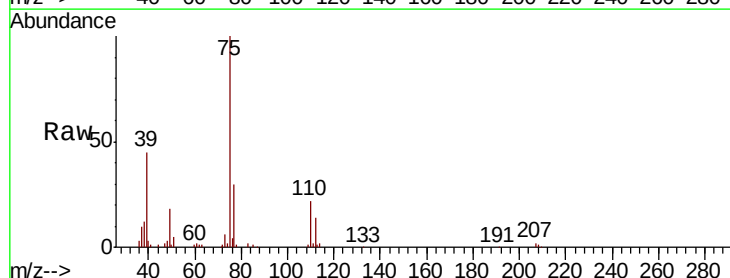
Tgt Ion: 75 Resp: 98760

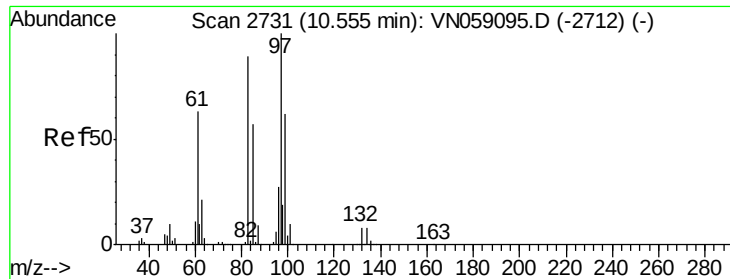
Ion Ratio Lower Upper

75 100

77 30.1 25.5 38.3

39 44.9 37.3 55.9

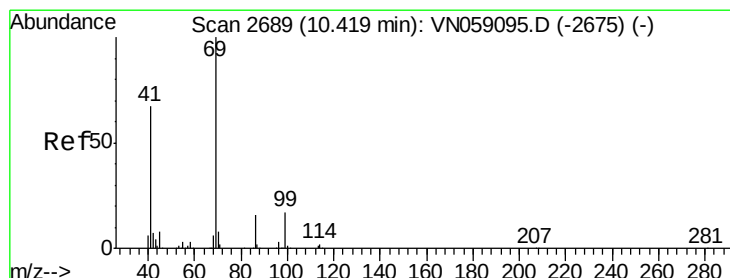
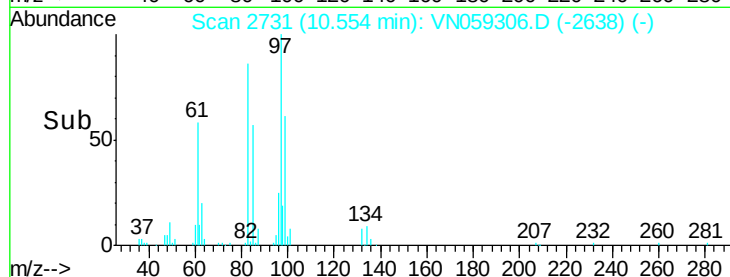
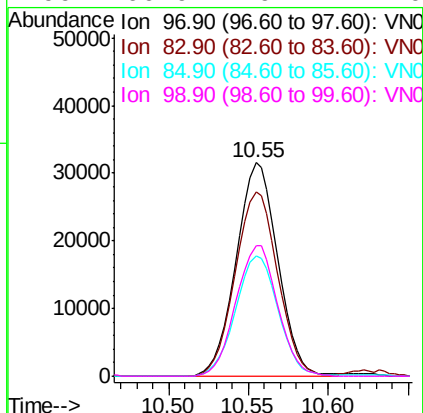
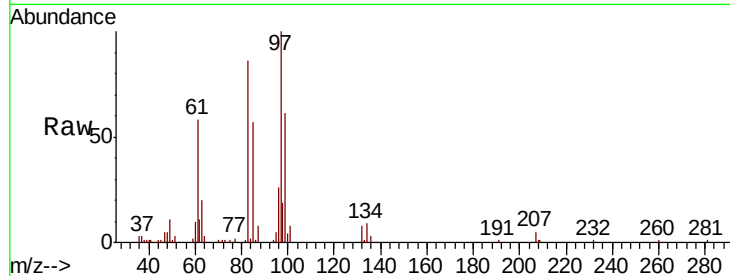




#55
 1,1,2-Trichloroethane
 Concen: 12.428 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

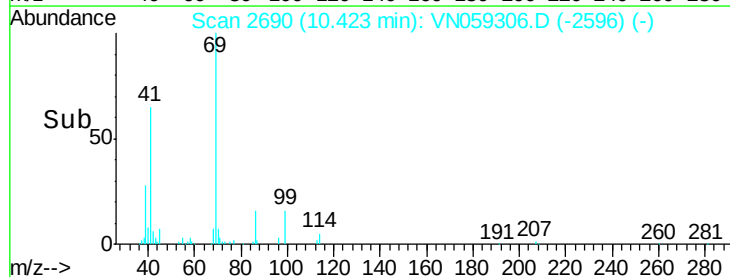
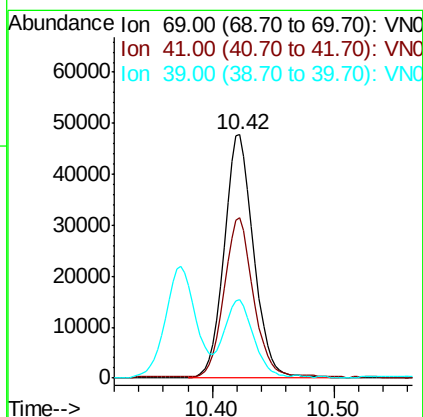
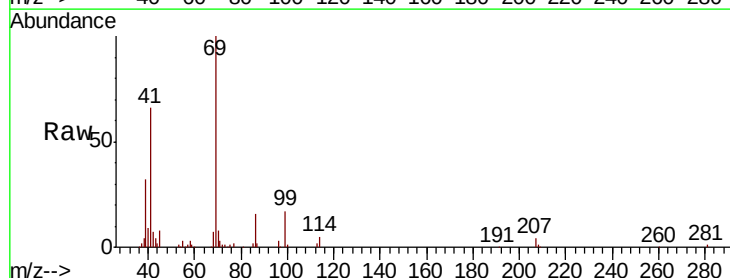
Instrument :
 MSVOA_N
 ClientSampled :

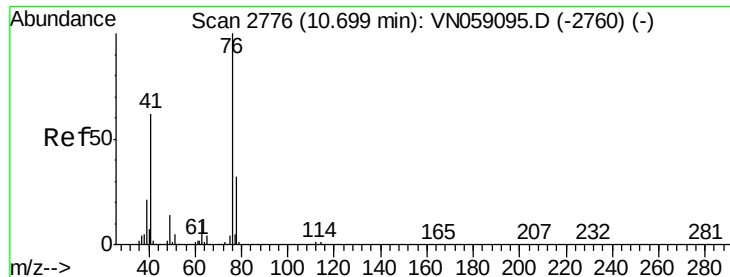
Tot Ion:	97	Resp:	55962
Ion	Ratio	Lower	Upper
97	100		
83	86.2	71.0	106.4
85	56.6	45.8	68.8
99	60.9	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 12.250 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion:	69	Resp:	80964
Ion	Ratio	Lower	Upper
69	100		
41	64.6	53.6	80.4
39	30.9	26.2	39.4





#57

1,3-Dichloropropane

Concen: 12.558 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

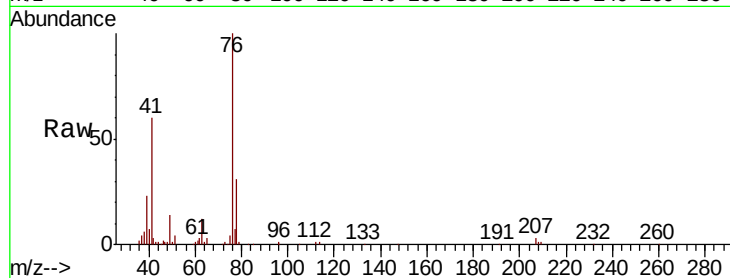
ClientSampled :

Tot Ion: 76 Resp: 97323

Ion Ratio Lower Upper

76 100

78 31.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

60000

50000

40000

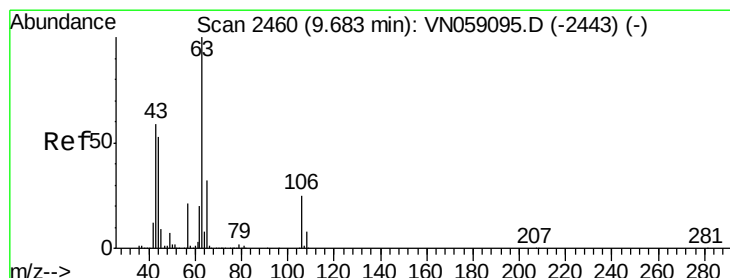
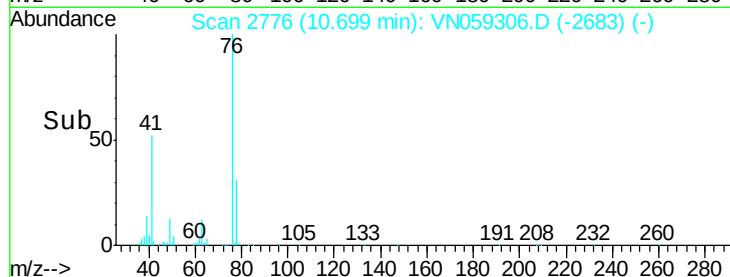
30000

20000

10000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 76.821 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059306.D

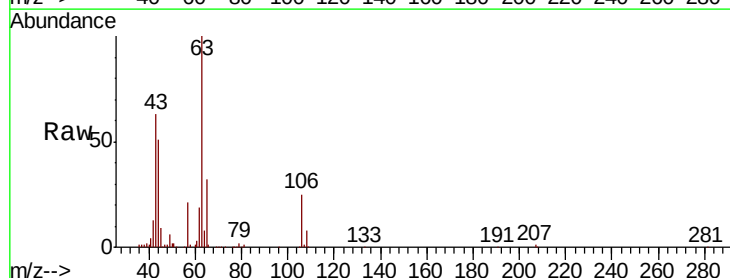
Acq: 19 Nov 2019 14:55

Tgt Ion: 63 Resp: 192513

Ion Ratio Lower Upper

63 100

106 25.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

120000

100000

80000

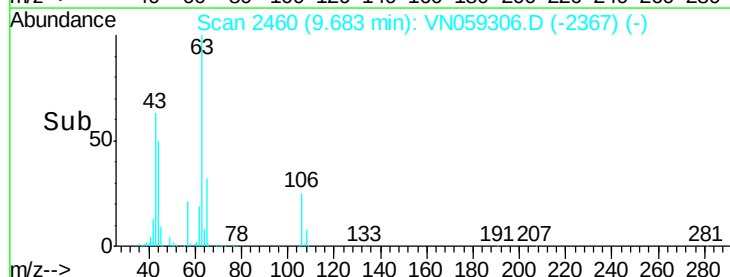
60000

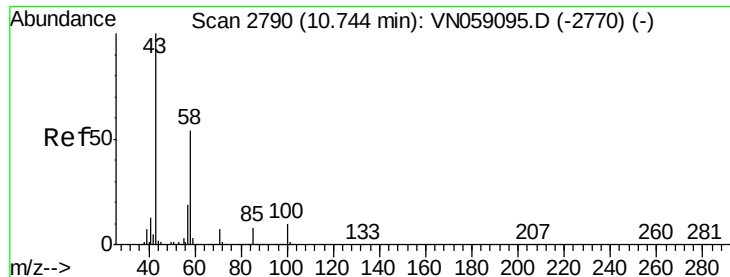
40000

20000

0

Time--> 9.60 9.70 9.80

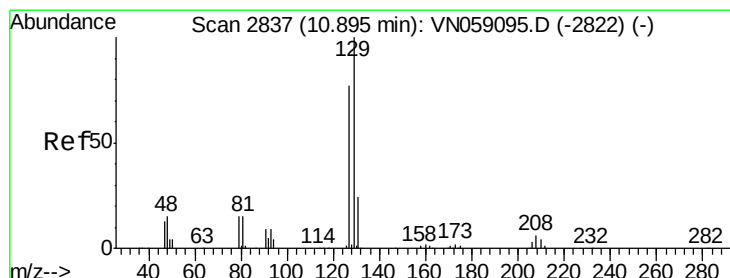
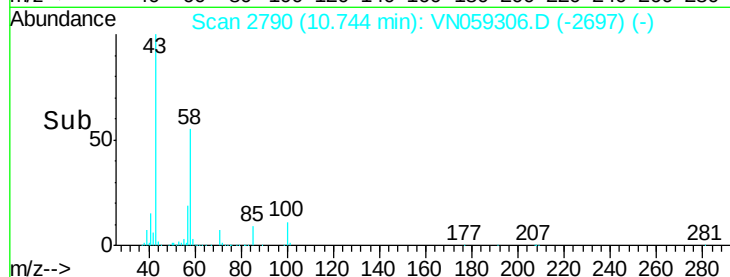
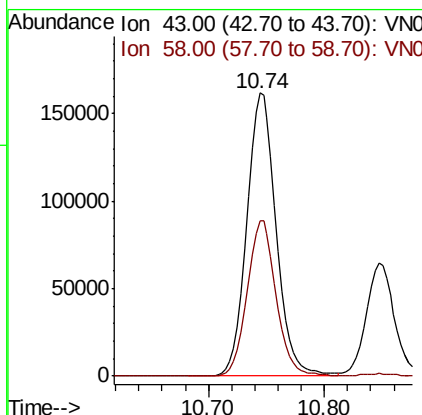
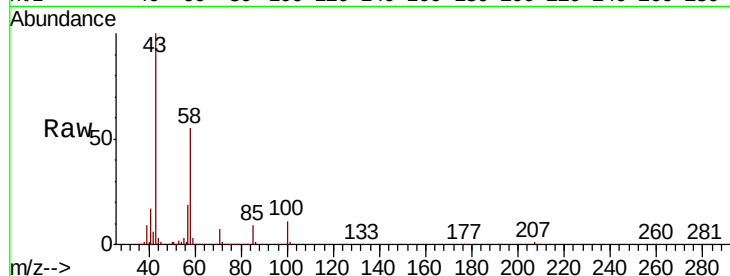




#59
2-Hexanone
Concen: 60.408 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

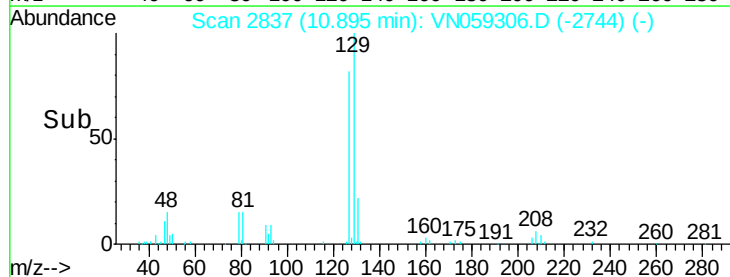
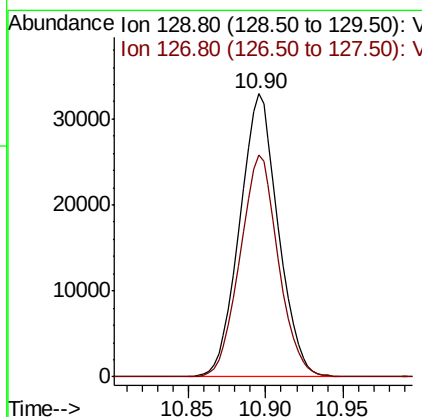
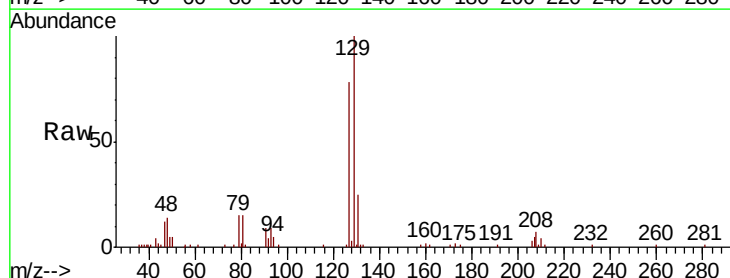
Instrument :
MSVOA_N
ClientSampled :

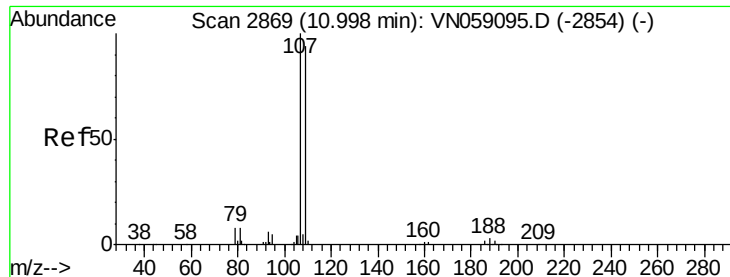
Tot Ion: 43 Resp: 286827
Ion Ratio Lower Upper
43 100
58 54.2 27.3 81.8



#60
Dibromochloromethane
Concen: 11.973 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion: 129 Resp: 57002
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8

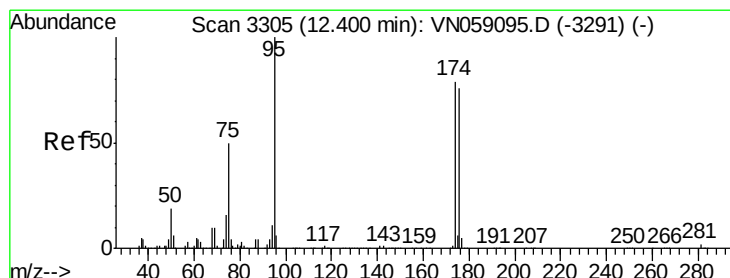
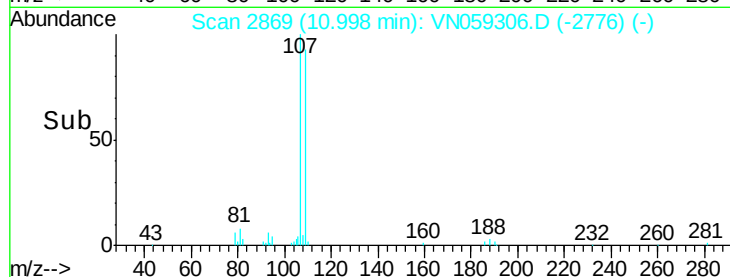
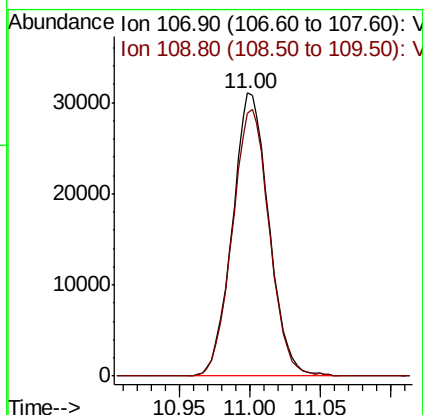
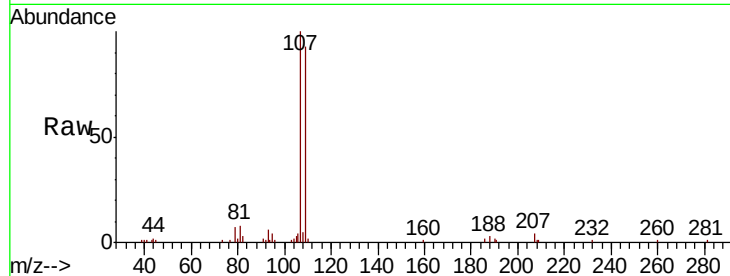




#61
 1,2-Dibromoethane
 Concen: 12.350 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

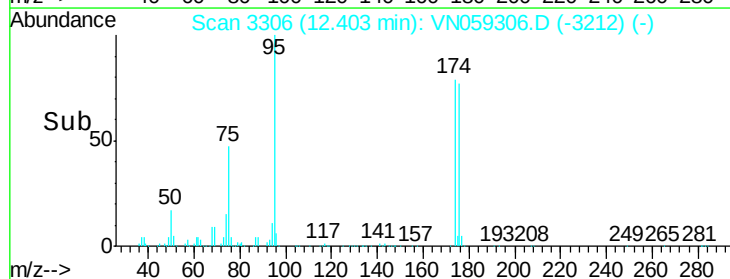
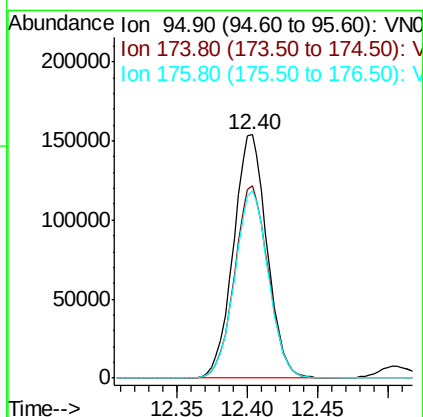
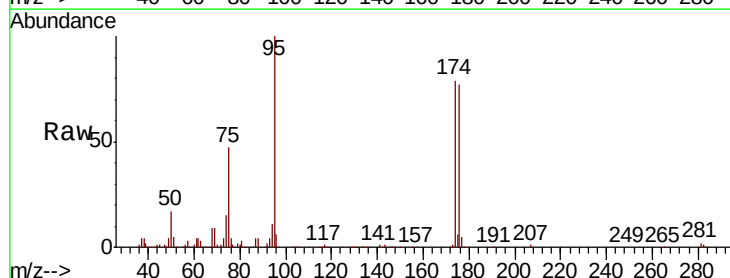
Instrument :
 MSVOA_N
 ClientSampleId :

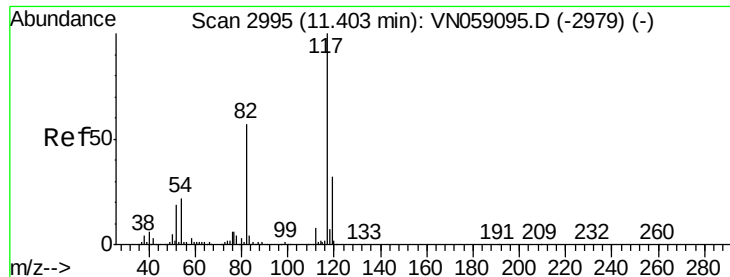
Tot Ion:107 Resp: 56295
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 45.904 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion: 95 Resp: 256728
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 158.2
 176 77.4 0.0 151.8

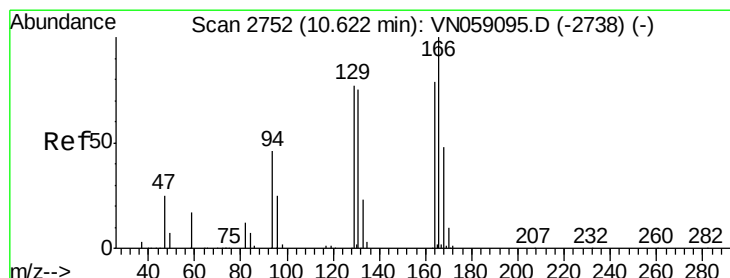
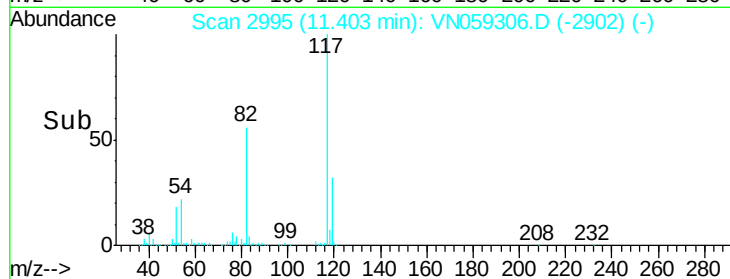
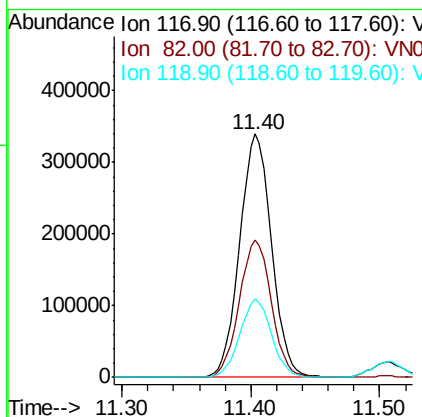
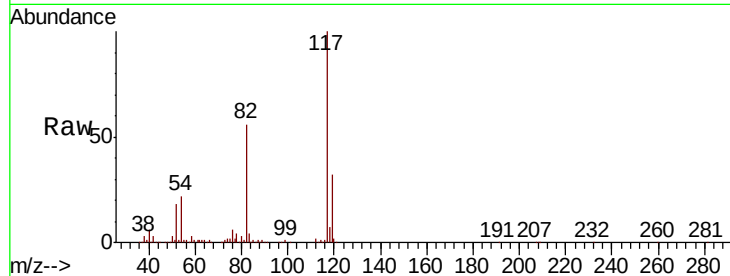




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

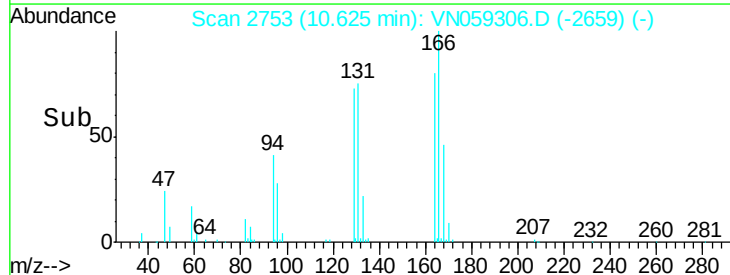
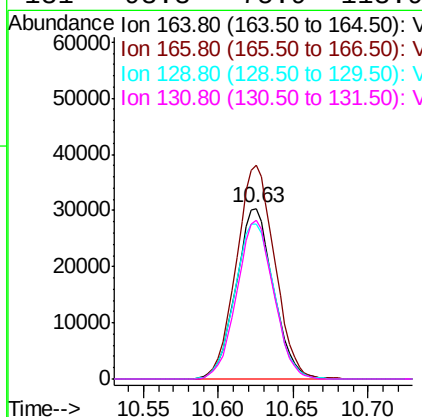
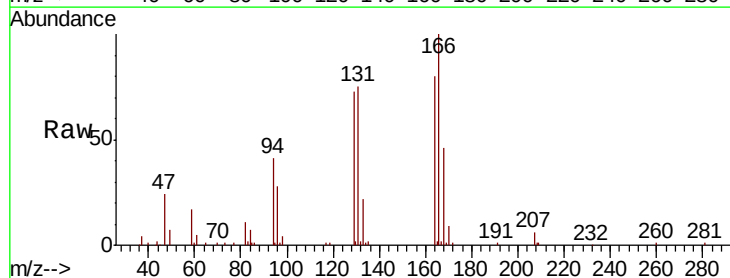
Instrument :
MSVOA_N
ClientSampled :

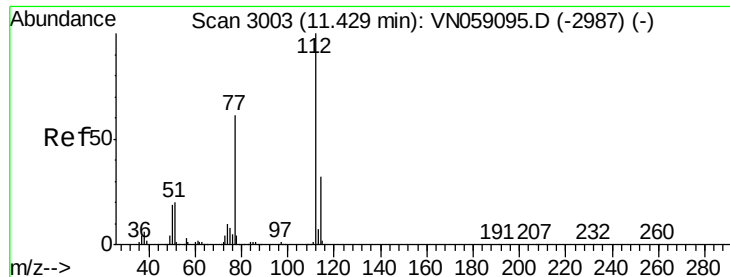
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.8	68.8
119	32.0	25.8	38.6



#64
Tetrachloroethene
Concen: 13.351 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.5	152.3
129	90.9	78.3	117.5
131	93.3	75.9	113.9

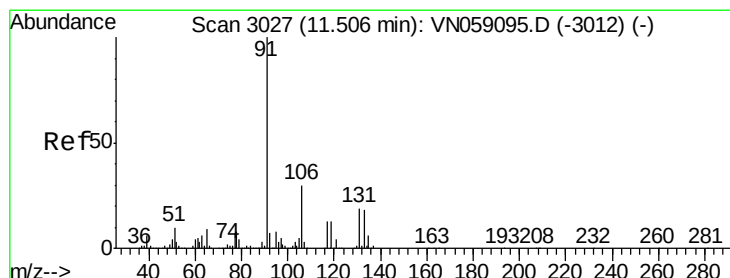
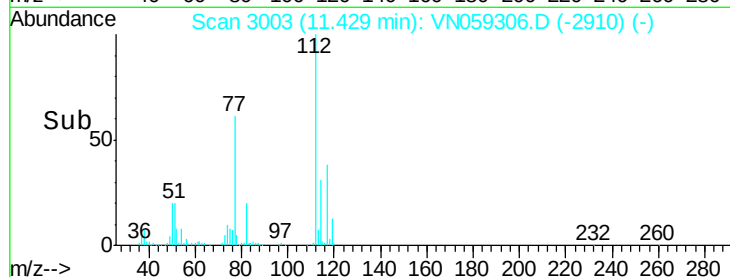
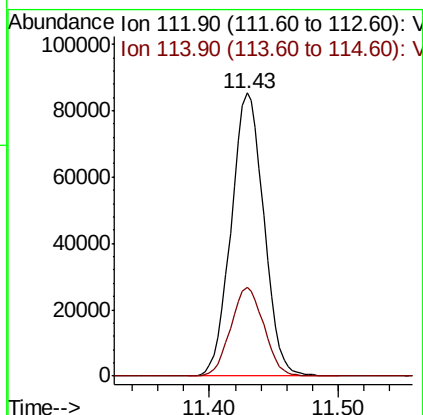
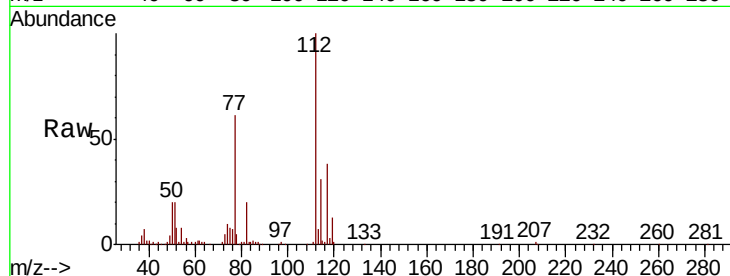




#65
Chlorobenzene
Concen: 13.170 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

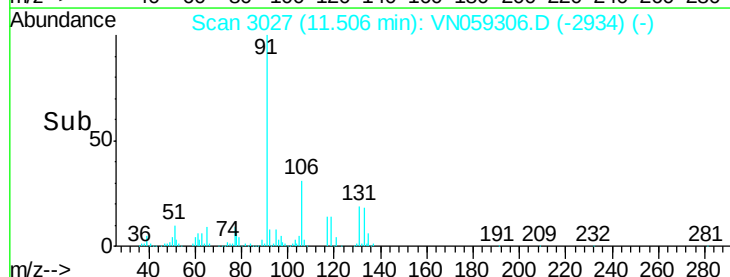
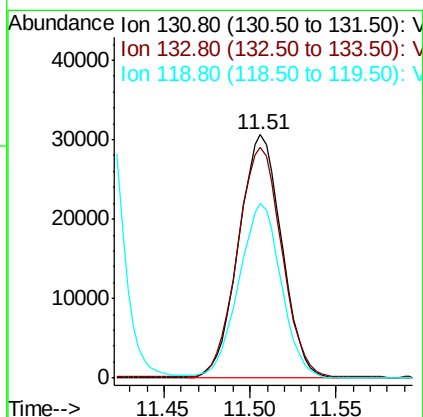
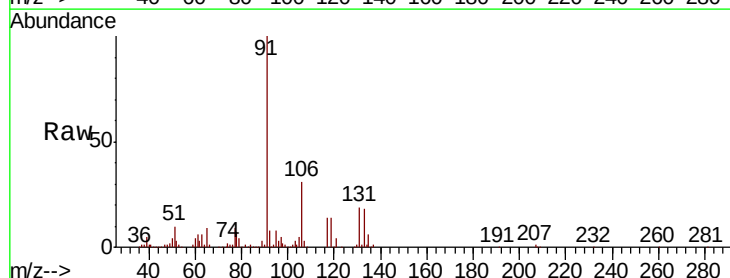
Instrument :
MSVOA_N
ClientSampled :

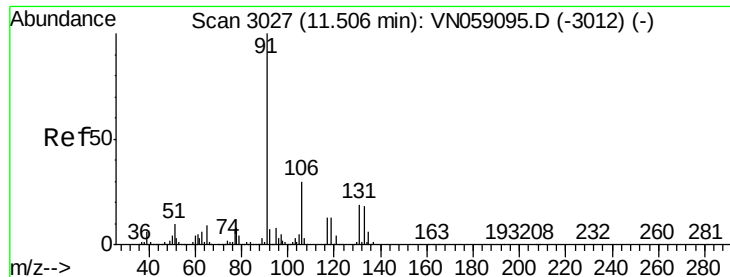
Tot Ion:112 Resp: 149896
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 12.488 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion:131 Resp: 53319
Ion Ratio Lower Upper
131 100
133 98.6 47.4 142.3
119 70.6 33.2 99.6





#67

Ethyl Benzene

Concen: 13.315 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

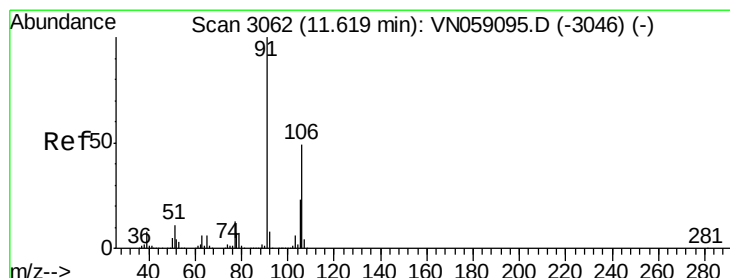
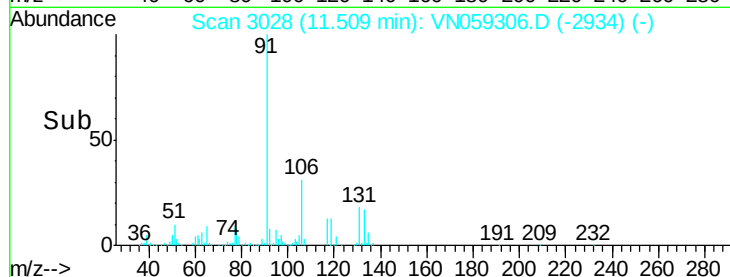
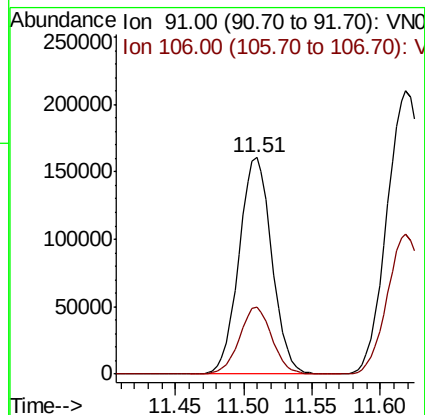
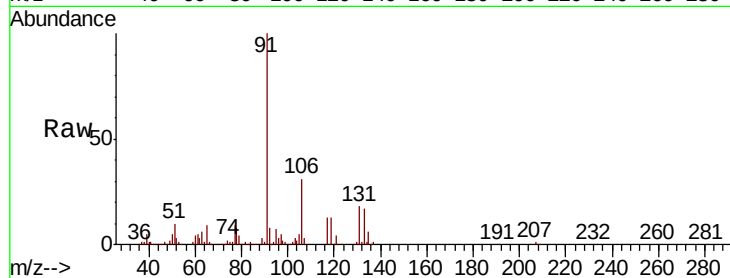
ClientSampled :

Tot Ion: 91 Resp: 268877

Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1



#68

m/p-Xylenes

Concen: 26.168 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059306.D

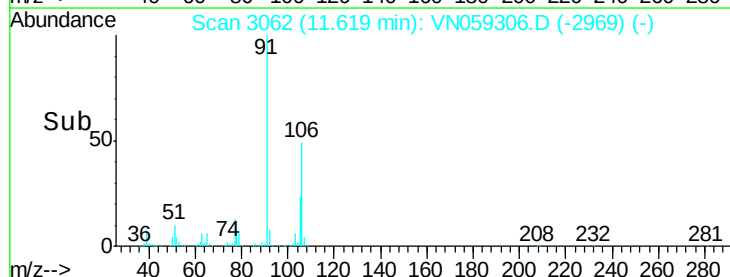
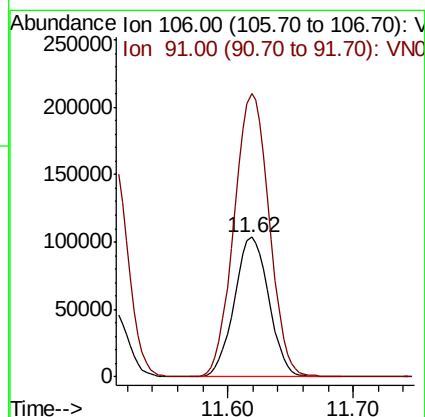
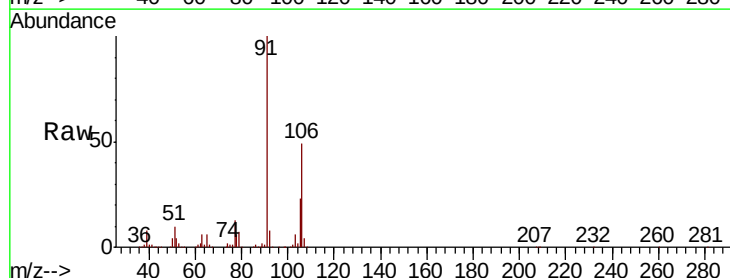
Acq: 19 Nov 2019 14:55

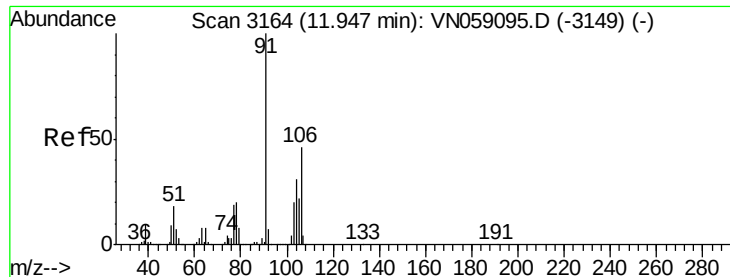
Tgt Ion: 106 Resp: 197941

Ion Ratio Lower Upper

106 100

91 206.7 164.7 247.1

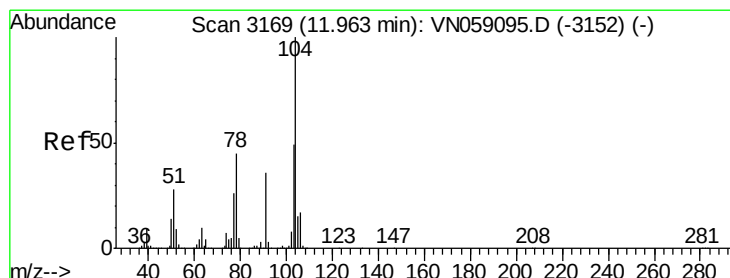
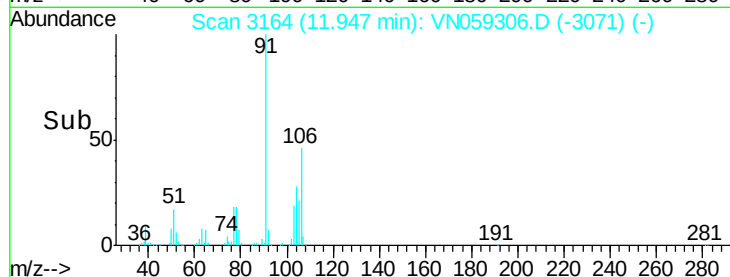
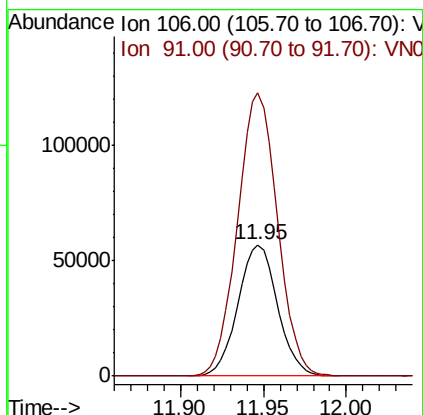
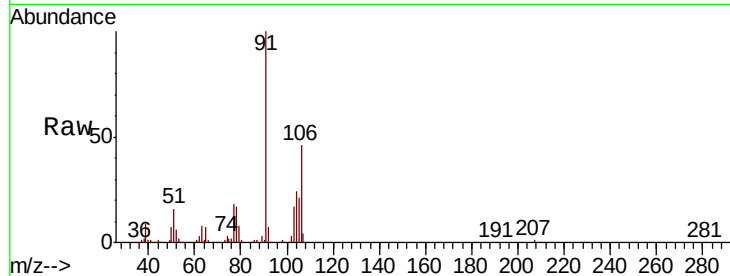




#69
o-Xylene
Concen: 12.932 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

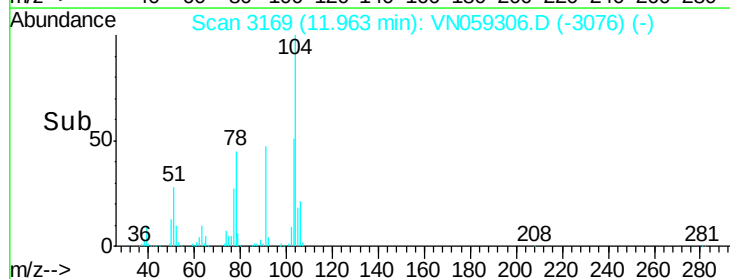
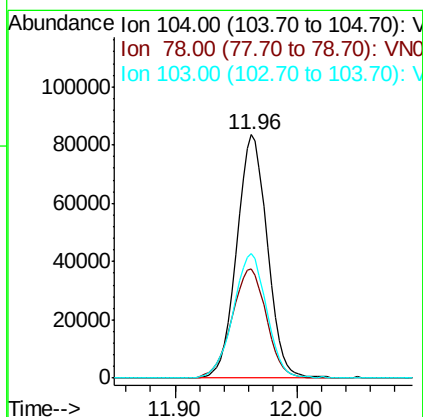
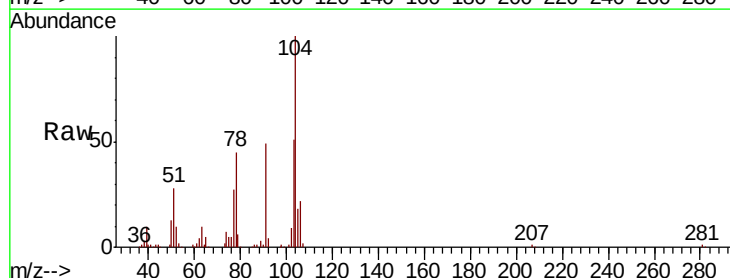
Instrument :
MSVOA_N
ClientSampled :

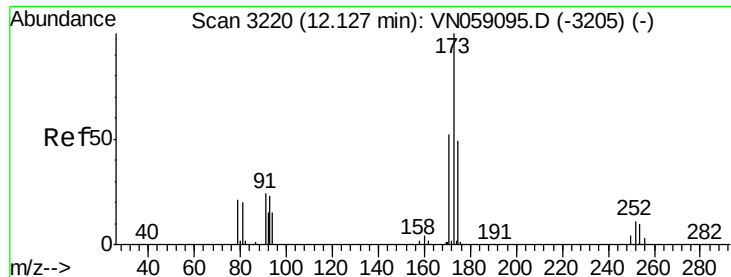
Tot Ion:106 Resp: 94538
Ion Ratio Lower Upper
106 100
91 218.1 110.1 330.3



#70
Styrene
Concen: 12.616 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion:104 Resp: 145046
Ion Ratio Lower Upper
104 100
78 51.0 41.2 61.8
103 55.9 43.8 65.6





#71

Bromoform

Concen: 11.691 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

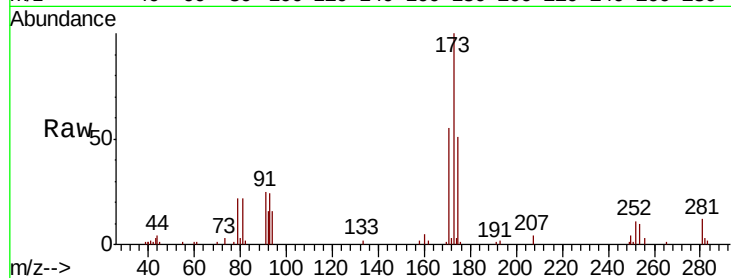
Tot Ion:173 Resp: 38825

Ion Ratio Lower Upper

173 100

175 50.6 24.2 72.6

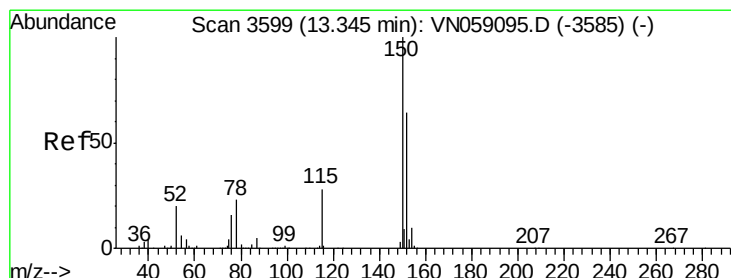
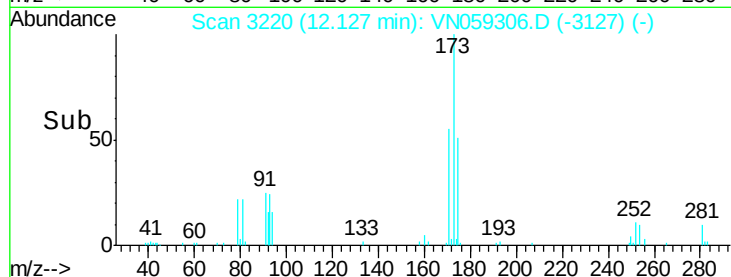
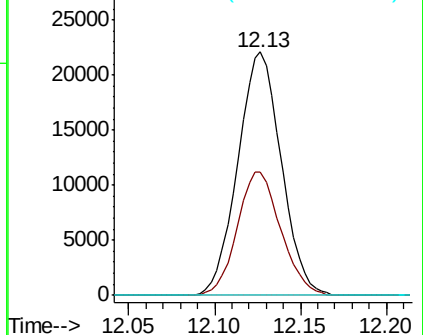
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

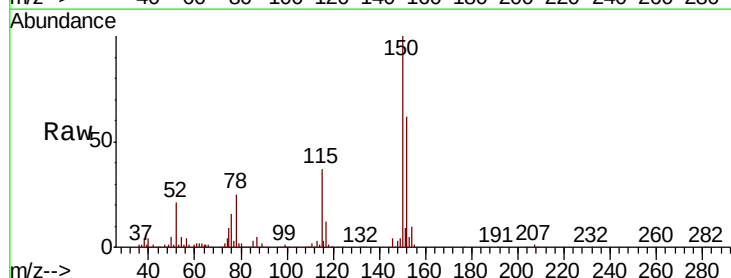
Tgt Ion:152 Resp: 259705

Ion Ratio Lower Upper

152 100

115 58.8 29.4 88.2

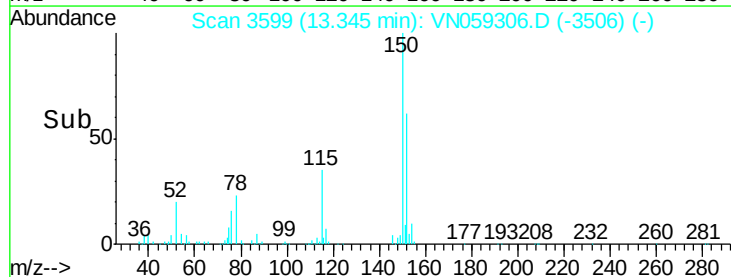
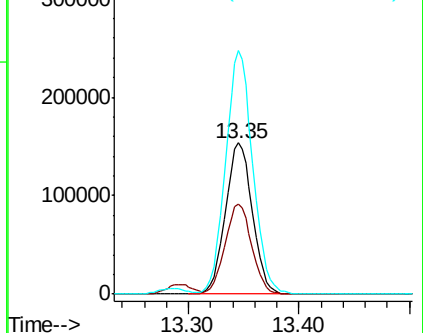
150 161.3 0.0 345.8

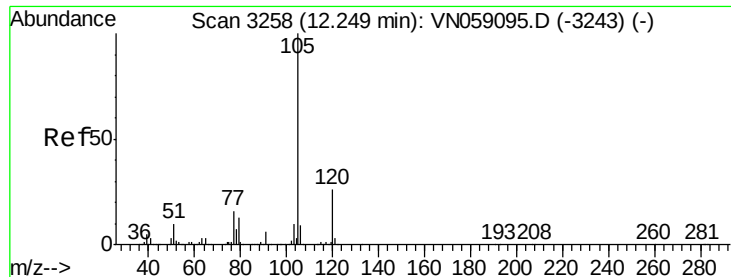


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 13.285 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

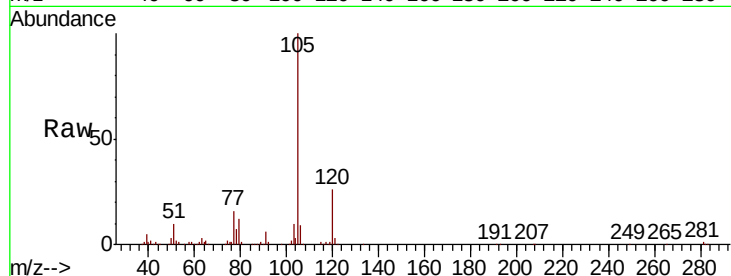
ClientSampleId :

Tot Ion:105 Resp: 250958

Ion Ratio Lower Upper

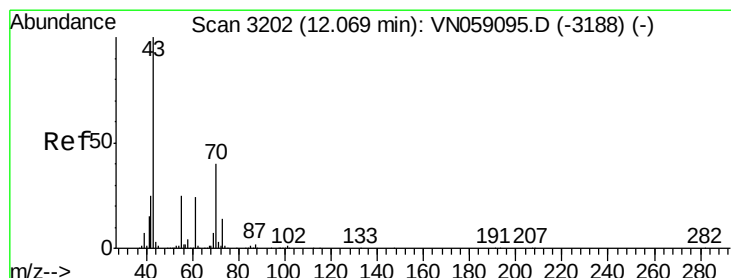
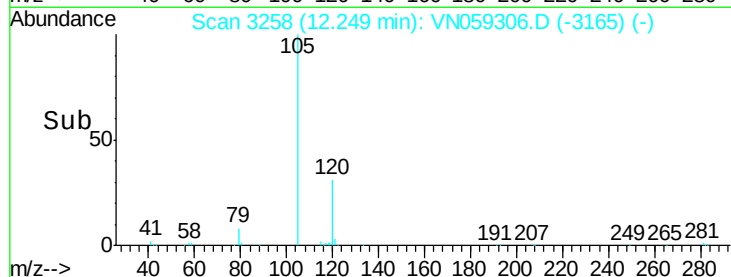
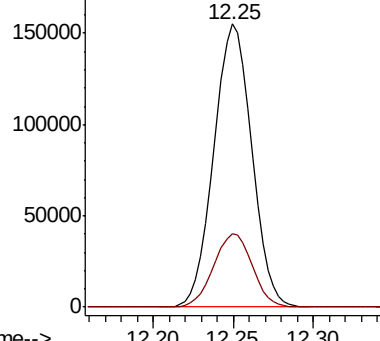
105 100

120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 11.473 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion: 43 Resp: 91841

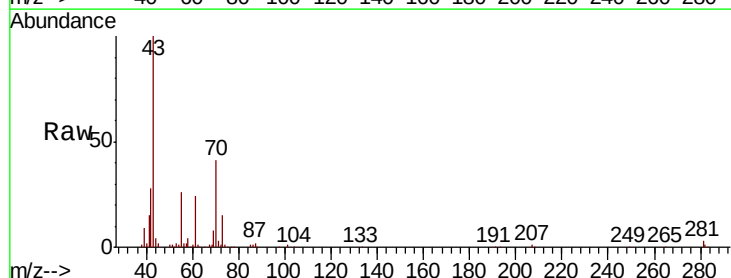
Ion Ratio Lower Upper

43 100

70 43.1 32.2 48.4

55 26.8 20.4 30.6

61 24.5 19.3 28.9

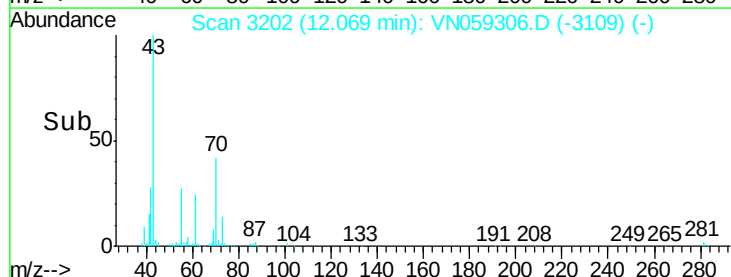
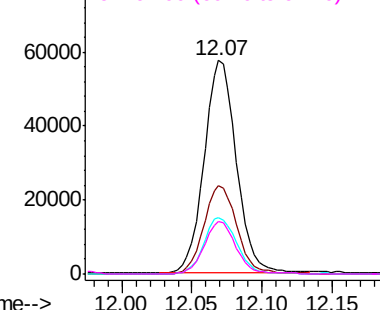


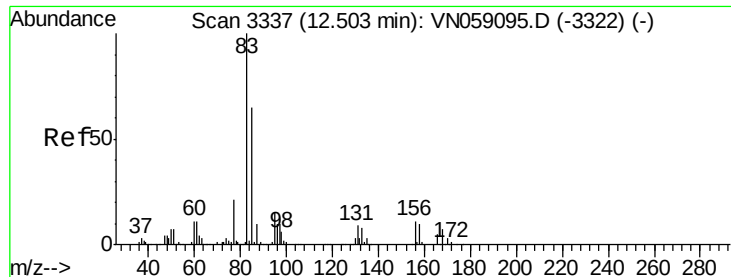
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 12.914 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

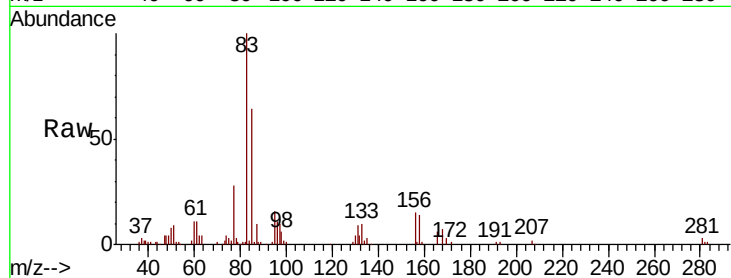
Tot Ion: 83 Resp: 83079

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

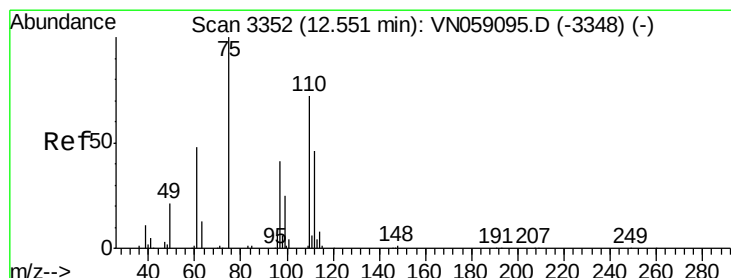
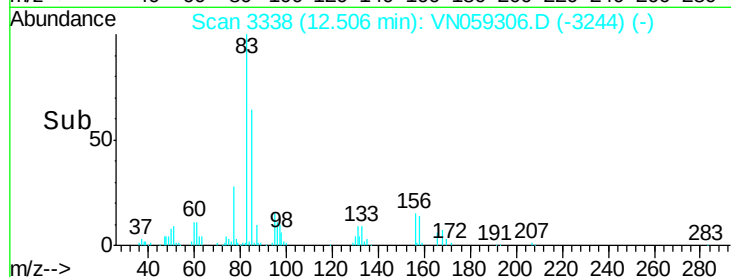
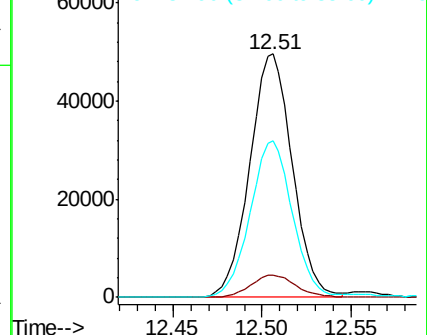
85 63.5 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 18.333 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059306.D

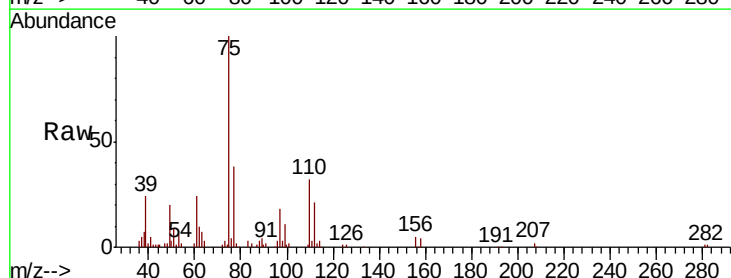
Acq: 19 Nov 2019 14:55

Tgt Ion: 75 Resp: 108398

Ion Ratio Lower Upper

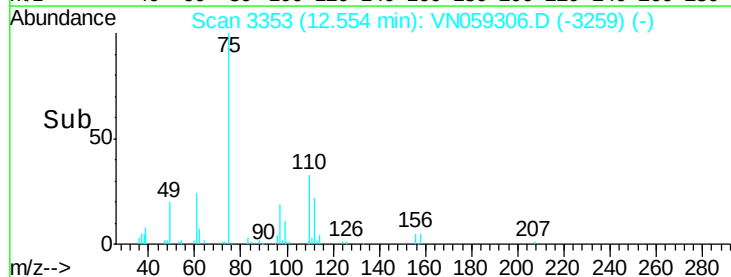
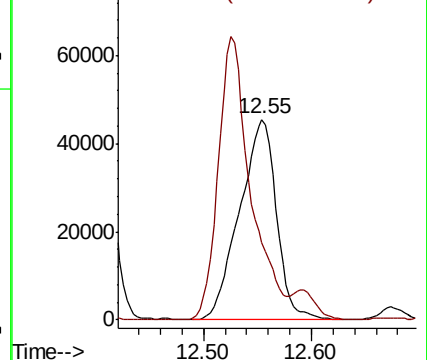
75 100

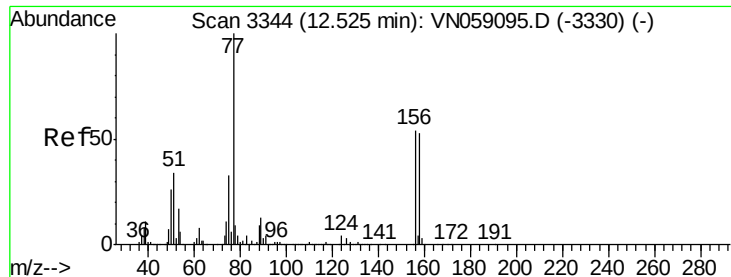
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 12.737 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

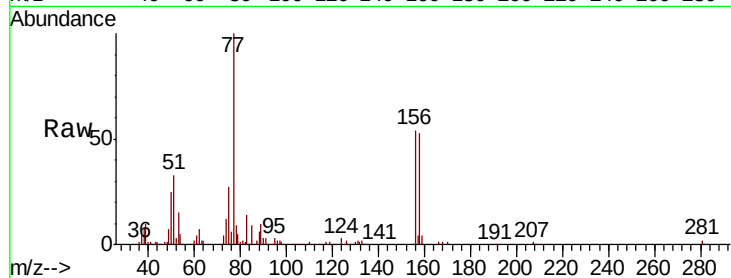
Tot Ion:156 Resp: 60452

Ion Ratio Lower Upper

156 100

77 221.5 112.8 338.3

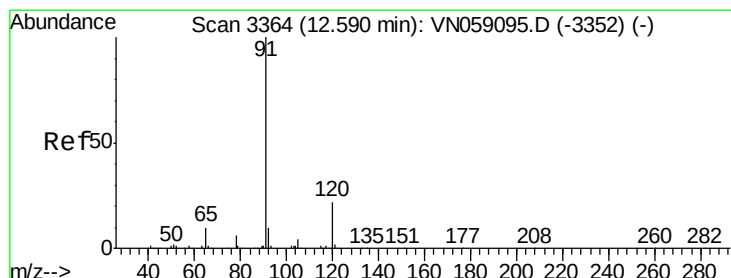
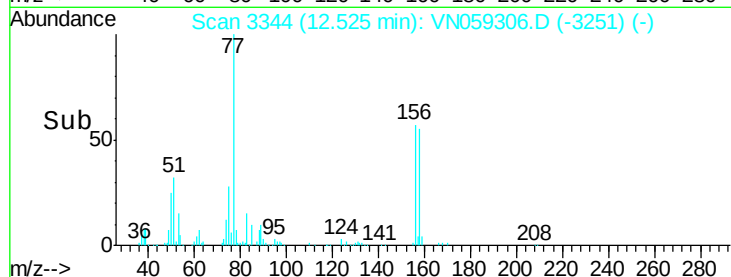
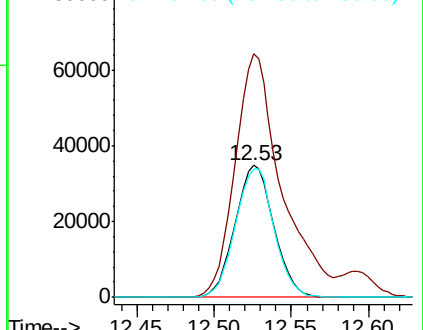
158 97.7 48.4 145.3



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: 13.227 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059306.D

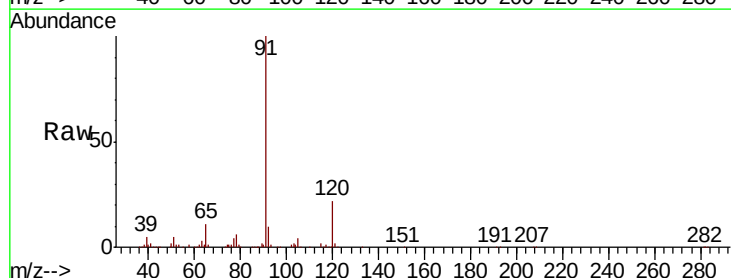
Acq: 19 Nov 2019 14:55

Tgt Ion: 91 Resp: 286107

Ion Ratio Lower Upper

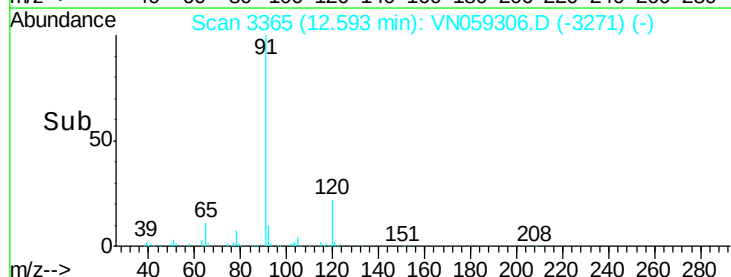
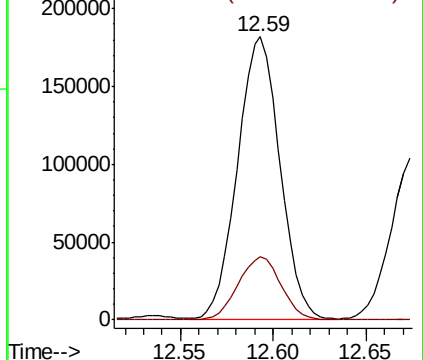
91 100

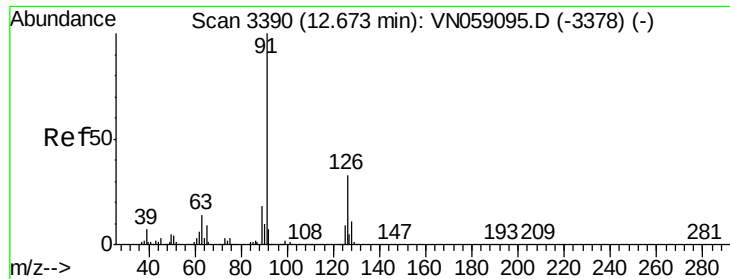
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

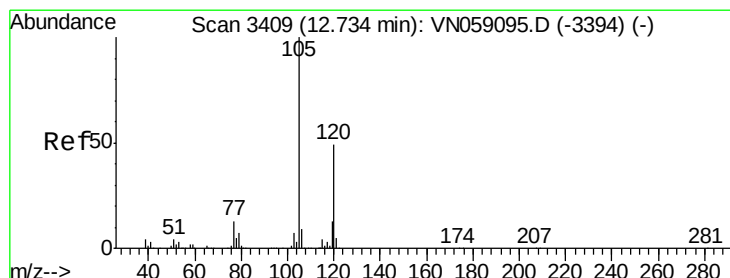
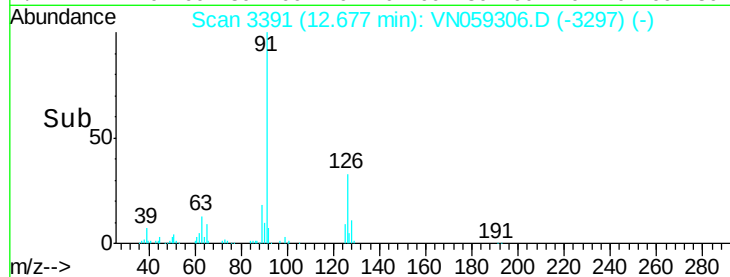
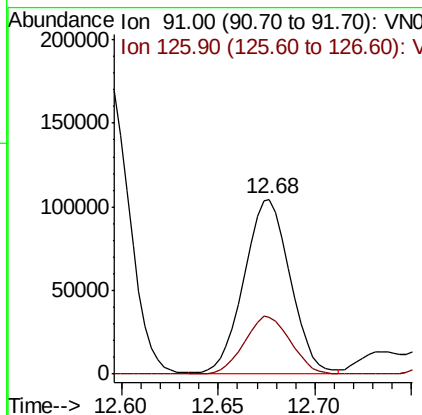
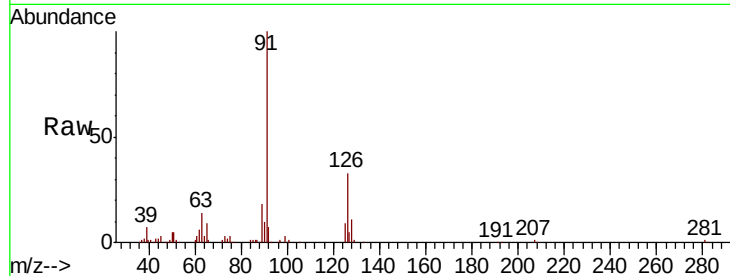




#79
 2-Chlorotoluene
 Concen: 12.809 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

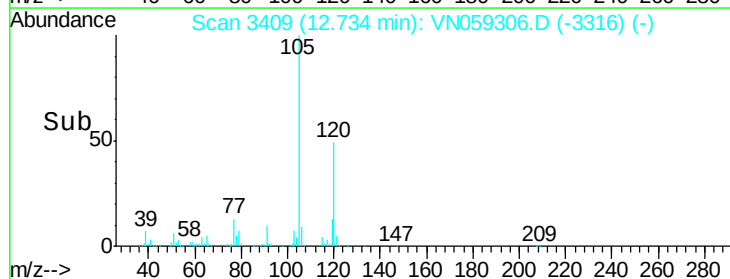
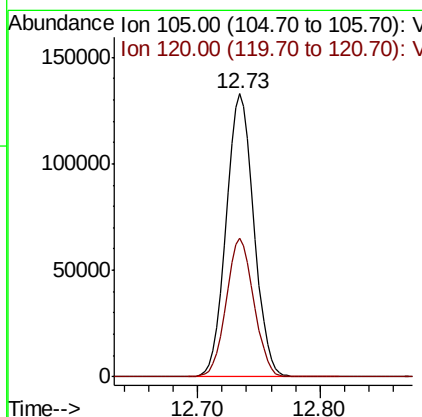
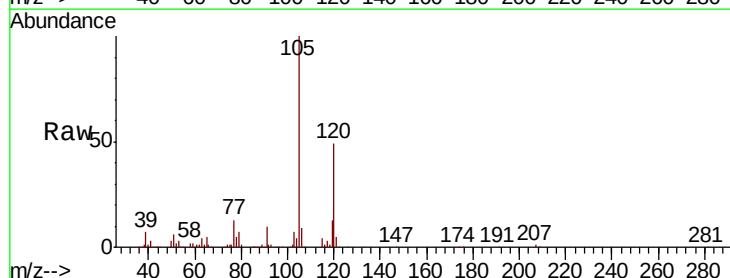
Instrument :
 MSVOA_N
 ClientSampled :

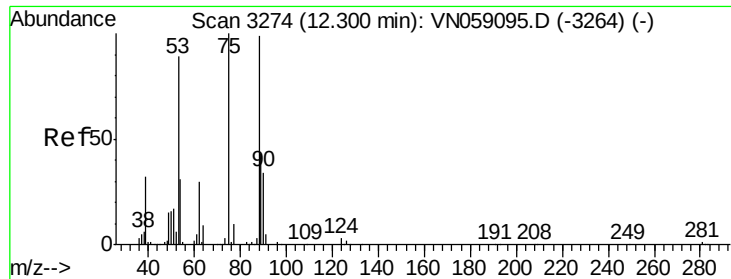
Tot Ion: 91 Resp: 171877
 Ion Ratio Lower Upper
 91 100
 126 33.5 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 13.223 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion: 105 Resp: 211664
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 12.102 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

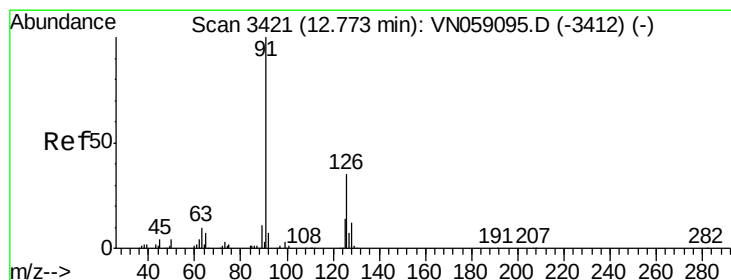
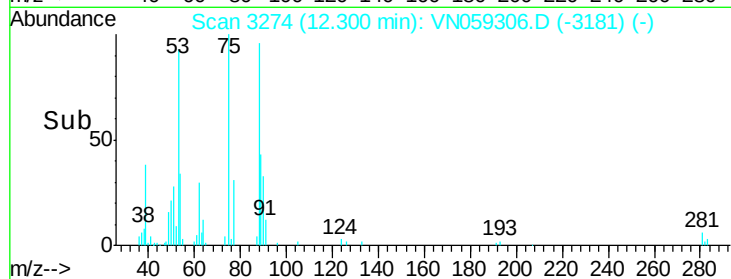
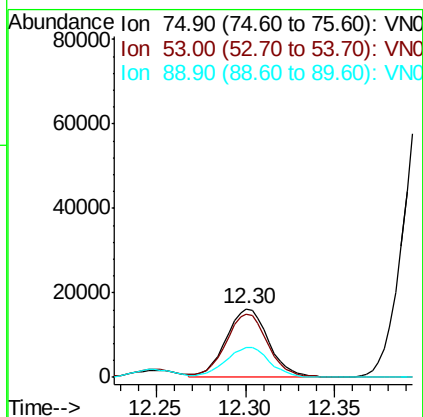
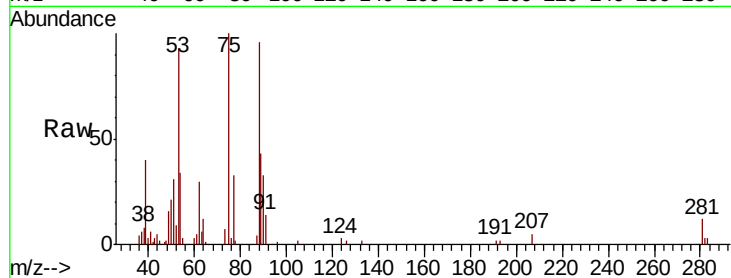
Tot Ion: 75 Resp: 27090

Ion Ratio Lower Upper

75 100

53 90.4 72.2 108.2

89 44.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 12.985 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059306.D

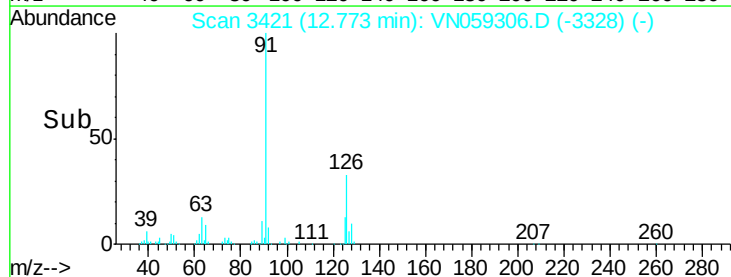
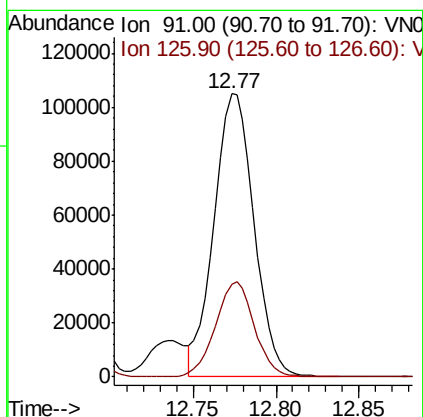
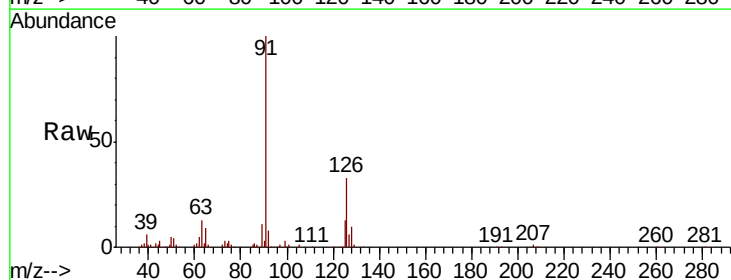
Acq: 19 Nov 2019 14:55

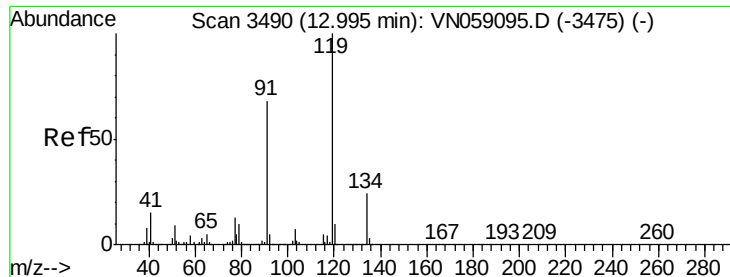
Tgt Ion: 91 Resp: 174760

Ion Ratio Lower Upper

91 100

126 32.9 16.1 48.2





#83

tert-Butylbenzene

Concen: 12.927 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

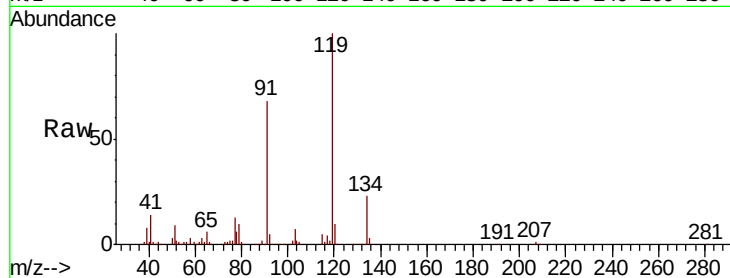
Tot Ion:119 Resp: 178700

Ion Ratio Lower Upper

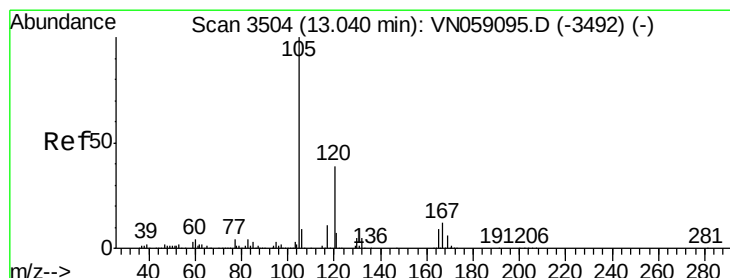
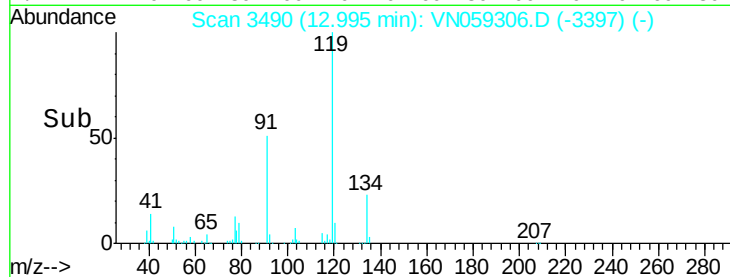
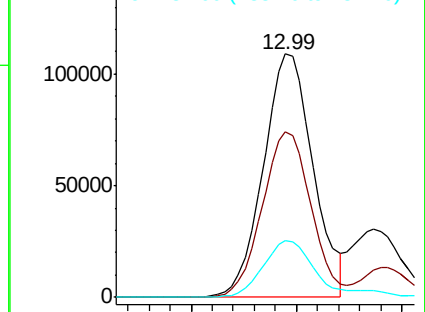
119 100

91 66.9 33.2 99.6

134 25.5 12.7 38.1



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



#84

1,2,4-Trimethylbenzene

Concen: 13.143 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059306.D

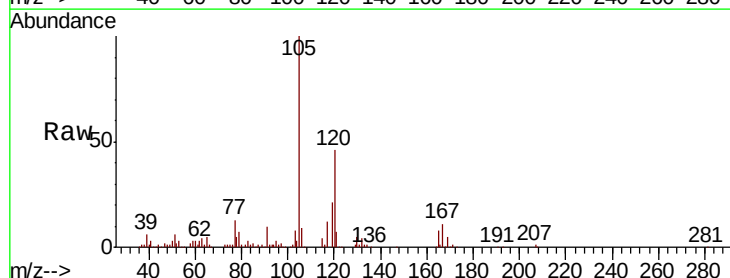
Acq: 19 Nov 2019 14:55

Tgt Ion:105 Resp: 203540

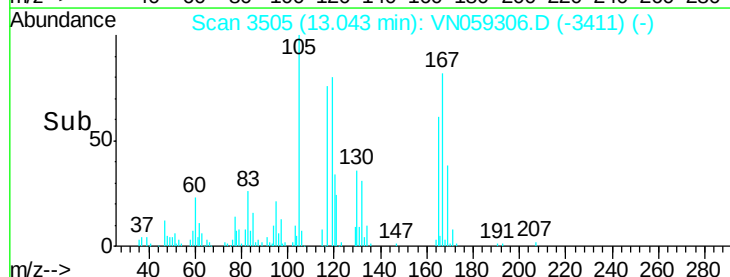
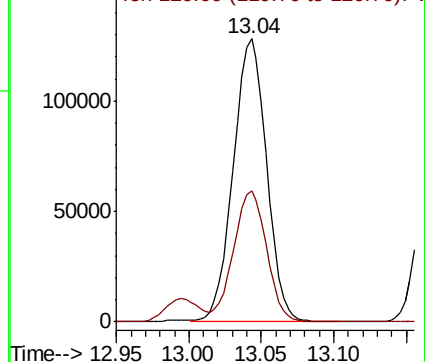
Ion Ratio Lower Upper

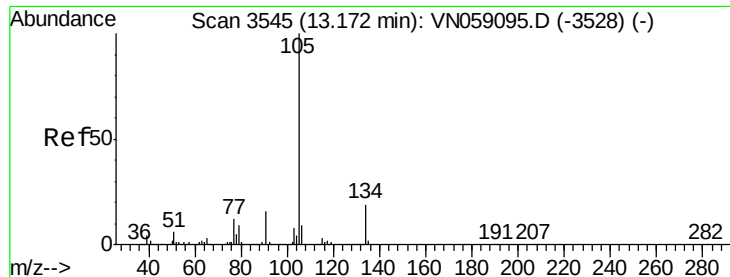
105 100

120 46.1 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 13.355 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

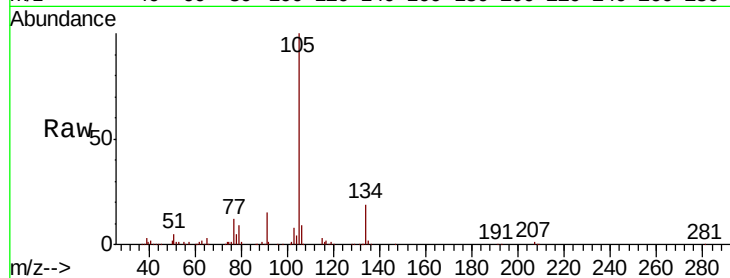
ClientSampled :

Tot Ion:105 Resp: 240095

Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

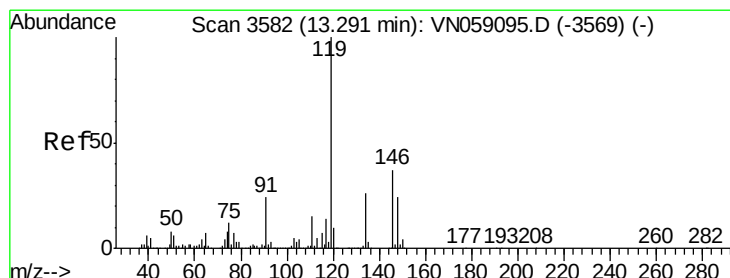
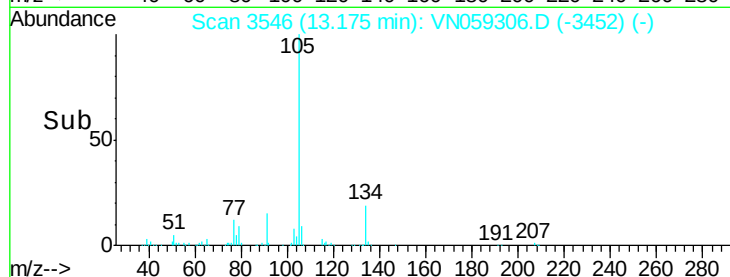
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 13.445 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

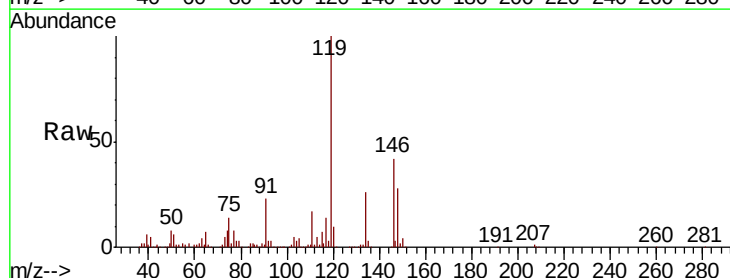
Tgt Ion:119 Resp: 213422

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 23.2 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

13.29

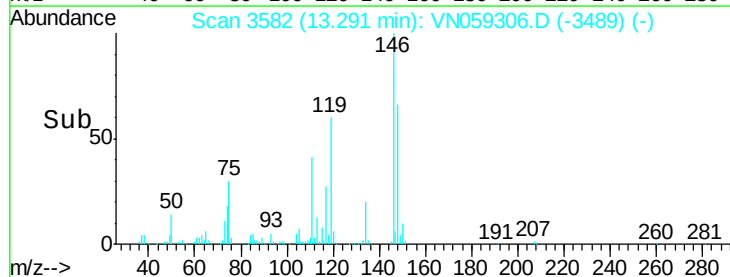
150000

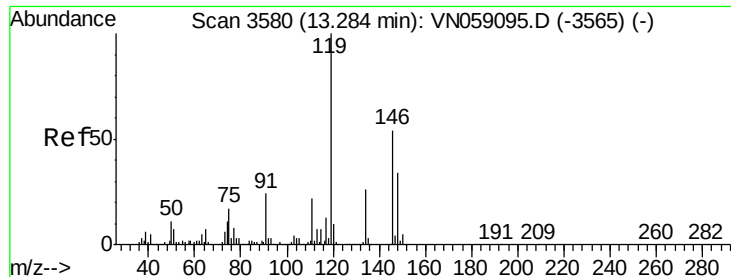
100000

50000

0

Time-->

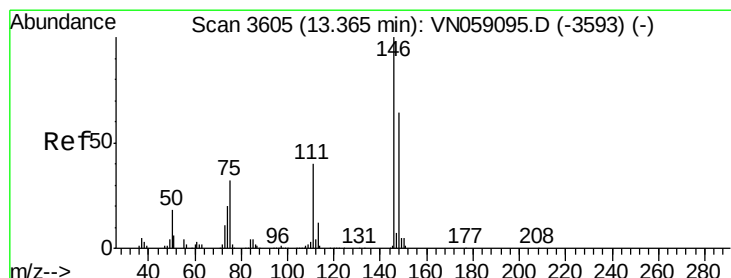
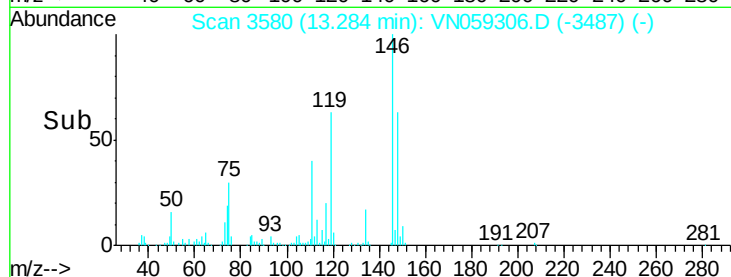
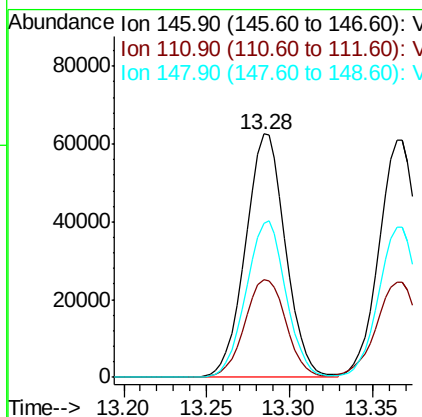
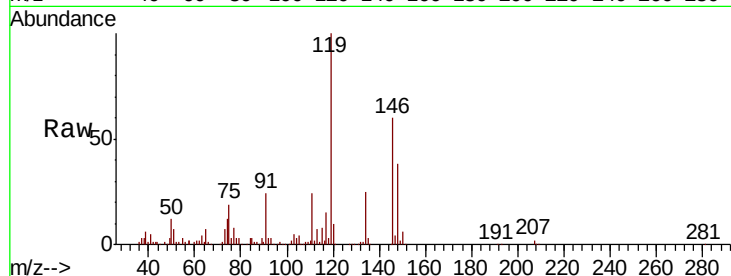




#87
 1,3-Dichlorobenzene
 Concen: 12.921 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

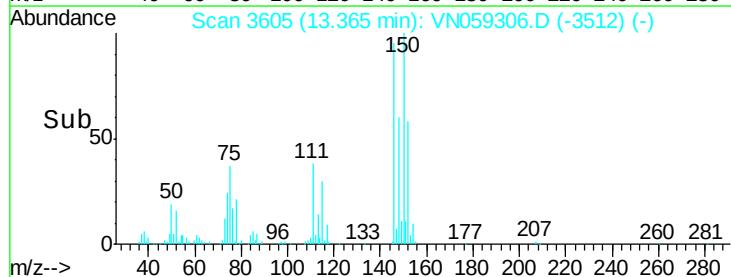
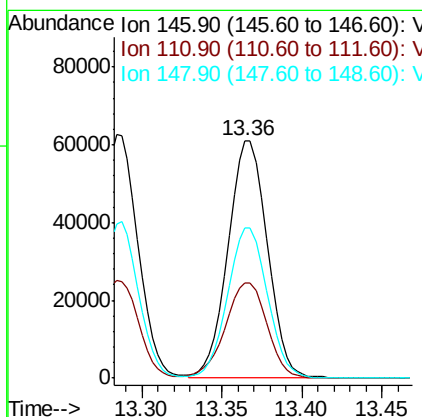
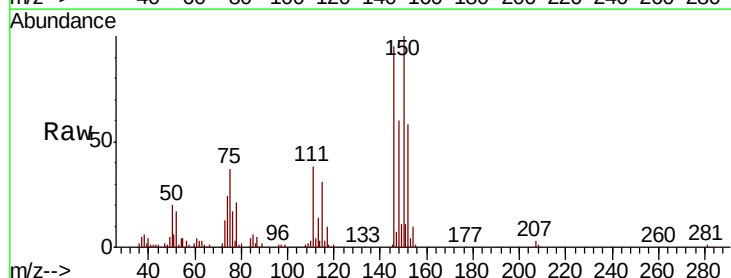
Instrument :
 MSVOA_N
 ClientSampleId :

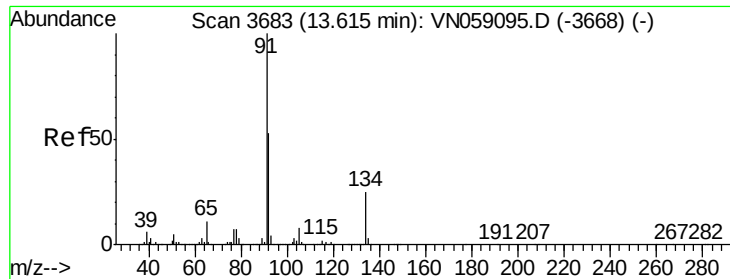
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.3
148	64.1	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 12.513 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.3	60.9
148	64.0	31.9	95.7

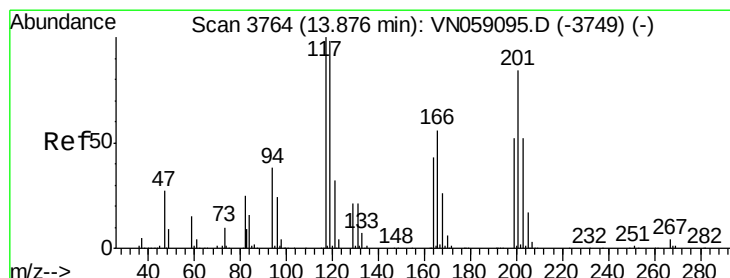
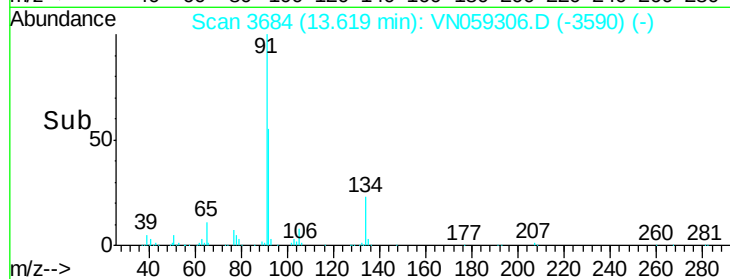
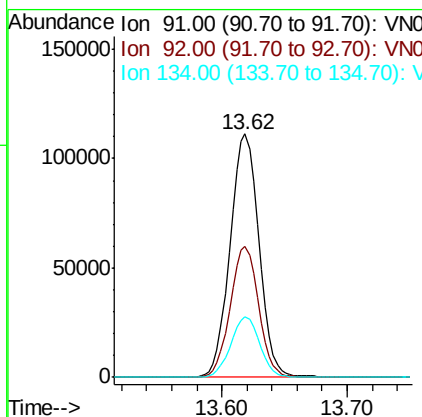
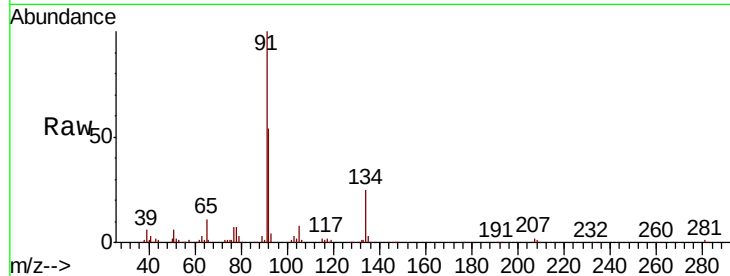




#89
n-Butylbenzene
Concen: 12.836 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

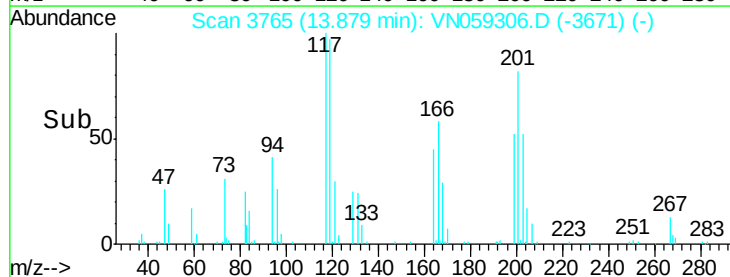
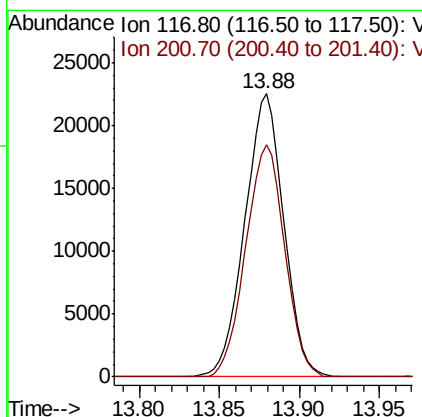
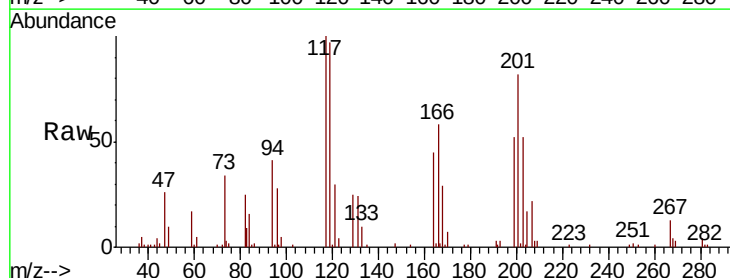
Instrument :
MSVOA_N
ClientSampled :

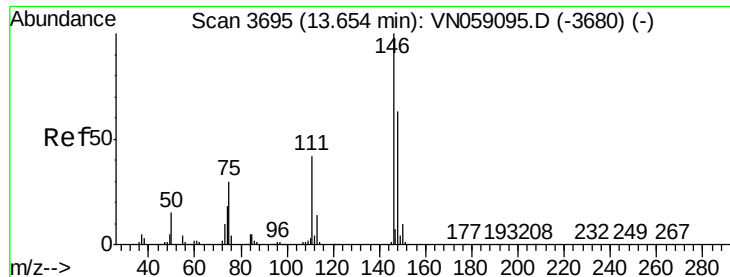
Tot Ion: 91 Resp: 178346
Ion Ratio Lower Upper
91 100
92 52.8 26.1 78.3
134 25.0 12.6 37.8



#90
Hexachloroethane
Concen: 11.792 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion: 117 Resp: 37588
Ion Ratio Lower Upper
117 100
201 82.0 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 12.751 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059306.D

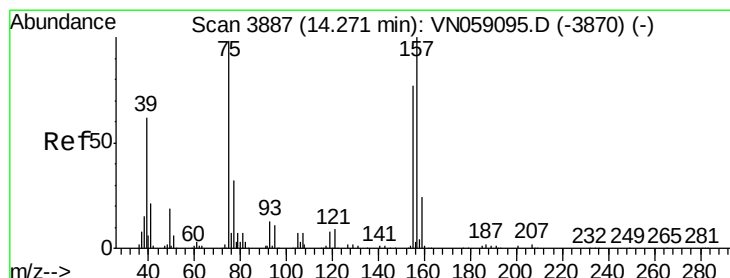
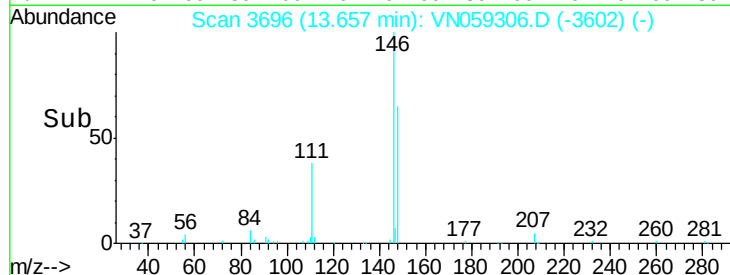
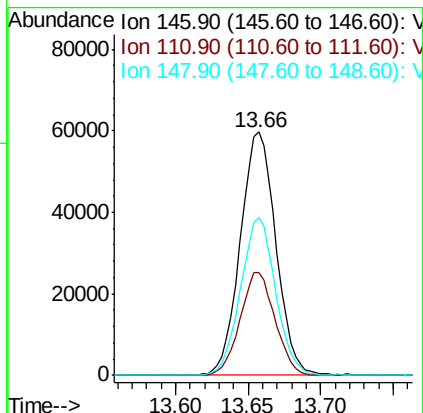
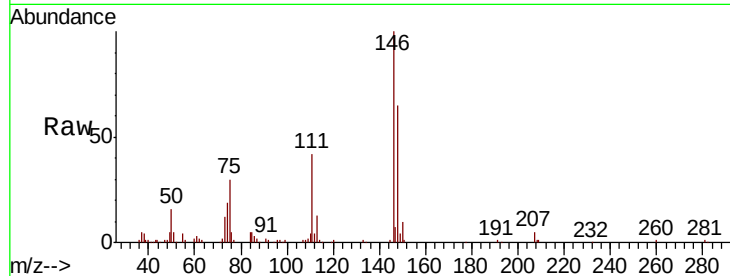
Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	101943
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	63.9	31.6	94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 12.000 ug/l

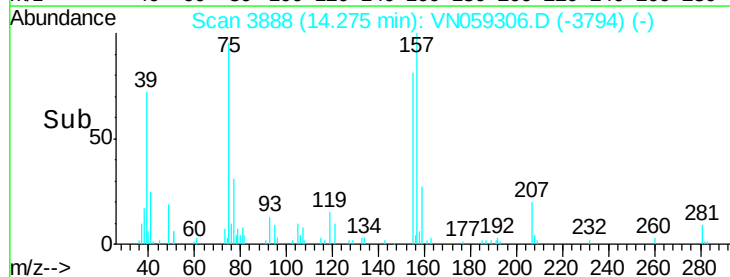
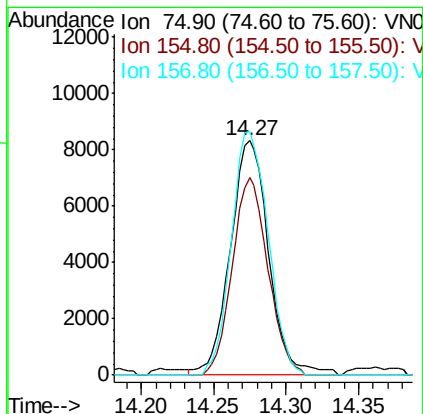
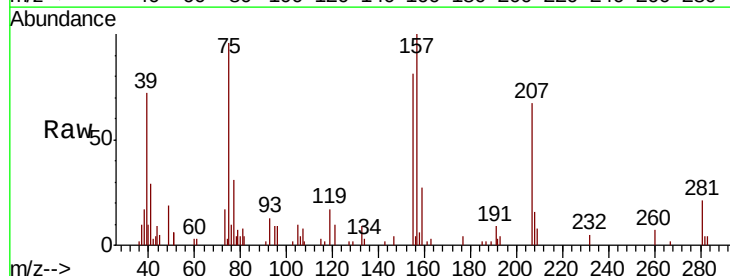
RT: 14.27 min Scan# 3888

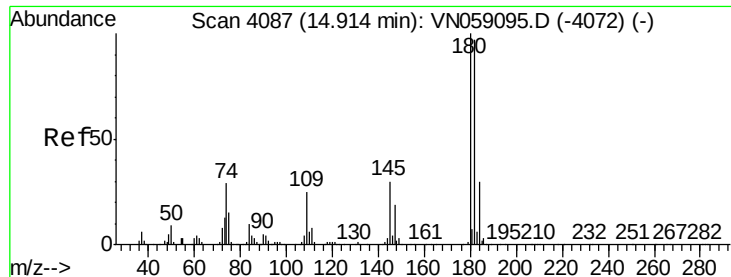
Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion:	75	Resp:	15376
Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.2	120.6
157	98.9	51.8	155.5

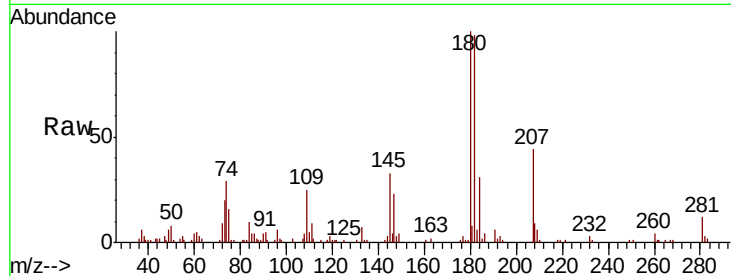




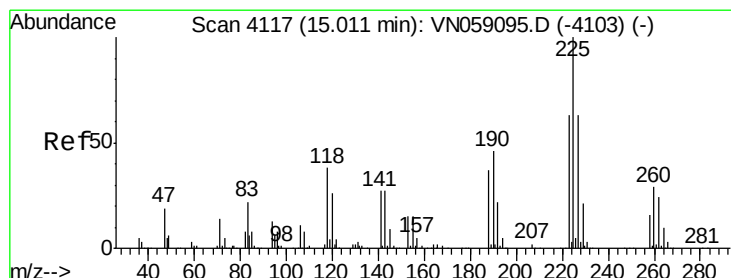
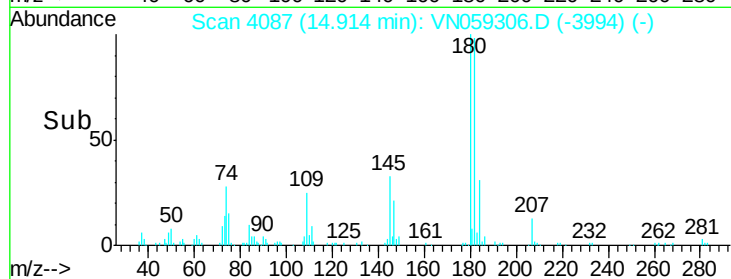
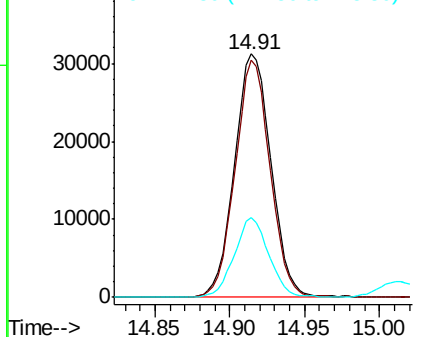
#93
 1,2,4-Trichlorobenzene
 Concen: 13.326 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.1	144.3
145	31.1	15.1	45.3

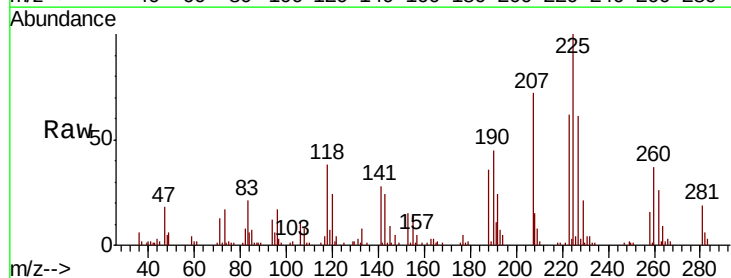


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

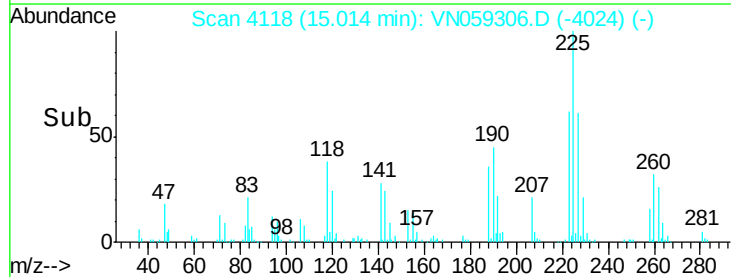
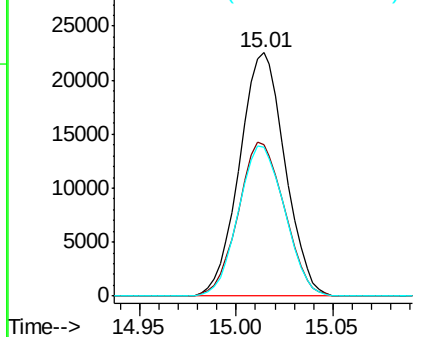


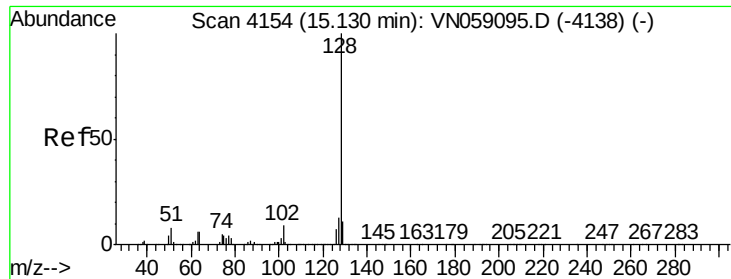
#94
 Hexachlorobutadiene
 Concen: 13.371 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.3	93.9
227	62.6	31.5	94.5



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: 12.901 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

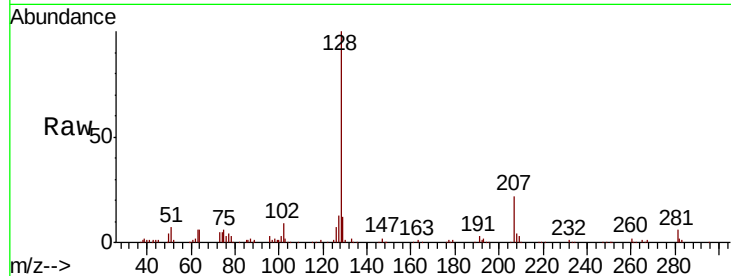
Tot Ion:128 Resp: 141243

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.4 8.6 12.8



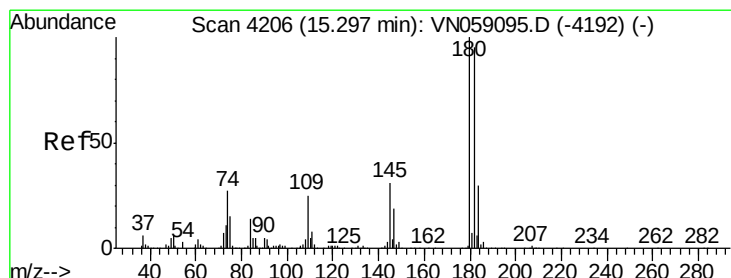
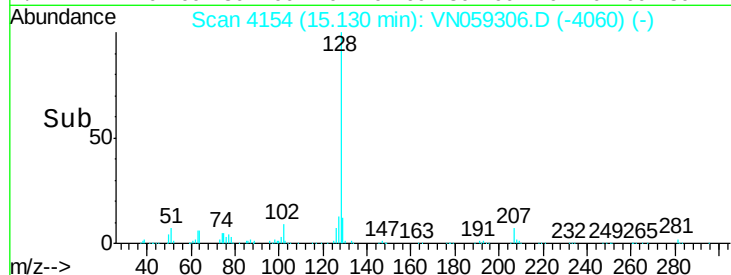
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 12.135 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

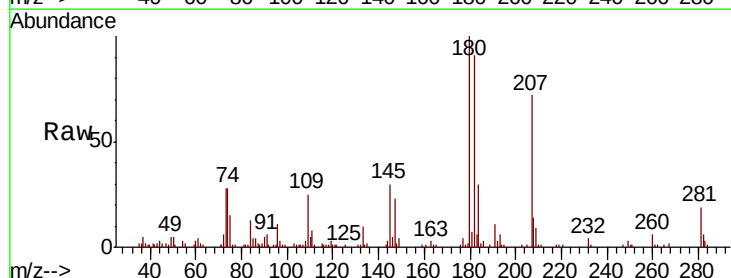
Tgt Ion:180 Resp: 54372

Ion Ratio Lower Upper

180 100

182 91.6 47.3 141.8

145 32.2 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.30

Time-->

