

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059308.D
 Acq On : 19 Nov 2019 15:54
 Operator : JC/SP
 Sample : VN1119WBS04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:48:29 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	380538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	600501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244445	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	184439	39.43	ug/l	0.00
Spiked Amount			Recovery	=	78.86%	
35) Dibromofluoromethane	7.57	113	149496	41.69	ug/l	0.00
Spiked Amount			Recovery	=	83.38%	
50) Toluene-d8	10.08	98	549963	38.94	ug/l	0.00
Spiked Amount			Recovery	=	77.88%	
62) 4-Bromofluorobenzene	12.40	95	205710	40.40	ug/l	0.00
Spiked Amount			Recovery	=	80.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	95740	24.971	ug/l	99
3) Chloromethane	2.04	50	107966	20.716	ug/l	99
4) Vinyl Chloride	2.17	62	115071	22.773	ug/l	100
5) Bromomethane	2.55	94	60299	20.737	ug/l	95
6) Chloroethane	2.69	64	58658	19.624	ug/l	98
7) Trichlorofluoromethane	3.00	101	112671	18.642	ug/l	99
8) Diethyl Ether	3.39	74	46728	19.028	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70715	19.405	ug/l	99
10) Methyl Iodide	3.93	142	84344	18.699	ug/l	98
11) Tert butyl alcohol	4.75	59	73144	82.047	ug/l	99
12) 1,1-Dichloroethene	3.72	96	68985	19.433	ug/l	98
13) Acrolein	3.58	56	33020	71.840	ug/l	98
14) Allyl chloride	4.30	41	130671	17.920	ug/l	98
15) Acrylonitrile	4.95	53	206634	93.137	ug/l	99
16) Acetone	3.79	43	201980	83.032	ug/l	99
17) Carbon Disulfide	4.03	76	219870	19.953	ug/l	99
18) Methyl Acetate	4.30	43	116623	20.198	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	227837	18.642	ug/l	99
20) Methylene Chloride	4.53	84	80792	19.064	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	76270	20.016	ug/l	95
22) Diisopropyl ether	5.92	45	251659	18.272	ug/l	96
23) Vinyl Acetate	5.87	43	998770	93.567	ug/l	100
24) 1,1-Dichloroethane	5.82	63	143383	18.639	ug/l	99
25) 2-Butanone	6.81	43	279935	87.317	ug/l	98
26) 2,2-Dichloropropane	6.80	77	122377	18.193	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	85099	19.250	ug/l	97
28) Bromochloromethane	7.18	49	29124	12.584	ug/l	98
29) Tetrahydrofuran	7.18	42	187158	91.877	ug/l	99
30) Chloroform	7.35	83	140712	19.068	ug/l	100
31) Cyclohexane	7.63	56	135069	18.547	ug/l	# 93
32) 1,1,1-Trichloroethane	7.55	97	116006	18.698	ug/l	99
36) 1,1-Dichloropropene	7.77	75	105576	18.809	ug/l	99
37) Ethyl Acetate	6.90	43	115087	18.431	ug/l	98
38) Carbon Tetrachloride	7.75	117	101788	18.220	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	129489	19.878	ug/l	97
40) Benzene	8.02	78	317597	18.790	ug/l	100
41) Methacrylonitrile	7.18	41	160128	58.973	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	106501	18.371	ug/l	99
43) Isopropyl Acetate	8.15	43	172176	17.296	ug/l	93
44) Trichloroethene	8.82	130	79277	19.080	ug/l	95
45) 1,2-Dichloropropane	9.10	63	84774	18.465	ug/l	99
46) Dibromomethane	9.19	93	52654	18.405	ug/l	99
47) Bromodichloromethane	9.39	83	102682	17.974	ug/l	98
48) Methyl methacrylate	9.18	41	75620	16.983	ug/l	96
49) 1,4-Dioxane	9.18	88	24991	315.812	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	534835	94.952	ug/l	100
52) Toluene	10.15	92	192995	19.050	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	117046	17.734	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	130474	18.378	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	74463	18.161	ug/l	98
56) Ethyl methacrylate	10.42	69	109974	17.352	ug/l	98
57) 1,3-Dichloropropane	10.70	76	130868	18.545	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	147734	64.745	ug/l	99
59) 2-Hexanone	10.75	43	387447	89.617	ug/l	99
60) Dibromochloromethane	10.90	129	77839	17.956	ug/l	100
61) 1,2-Dibromoethane	11.00	107	77334	18.632	ug/l	98
64) Tetrachloroethene	10.63	164	69978	19.157	ug/l	97
65) Chlorobenzene	11.43	112	200396	19.136	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	73359	18.674	ug/l	99
67) Ethyl Benzene	11.51	91	358676	19.304	ug/l	100
68) m/p-Xylenes	11.62	106	264693	38.032	ug/l	100
69) o-Xylene	11.95	106	126130	18.753	ug/l	99
70) Styrene	11.96	104	196919	18.616	ug/l	100
71) Bromoform	12.13	173	54708	17.904	ug/l #	99
73) Isopropylbenzene	12.25	105	339347	19.085	ug/l	99
74) N-amyl acetate	12.07	43	128577	17.065	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	111154	18.357	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	143507	25.786	ug/l #	100
77) Bromobenzene	12.53	156	81138	18.162	ug/l	98
78) n-propylbenzene	12.59	91	387596	19.038	ug/l	99
79) 2-Chlorotoluene	12.68	91	231308	18.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	286308	19.003	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36745	17.439	ug/l	99
82) 4-Chlorotoluene	12.78	91	234481	18.510	ug/l	98
83) tert-Butylbenzene	12.99	119	240556	18.488	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	279504	19.174	ug/l	99
85) sec-Butylbenzene	13.17	105	325199	19.218	ug/l	100
86) p-Isopropyltoluene	13.29	119	289324	19.364	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	139355	18.217	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	139119	18.176	ug/l	99
89) n-Butylbenzene	13.62	91	247901	18.956	ug/l	99
90) Hexachloroethane	13.88	117	52578	17.524	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	138127	18.355	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20876	17.298	ug/l	97

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

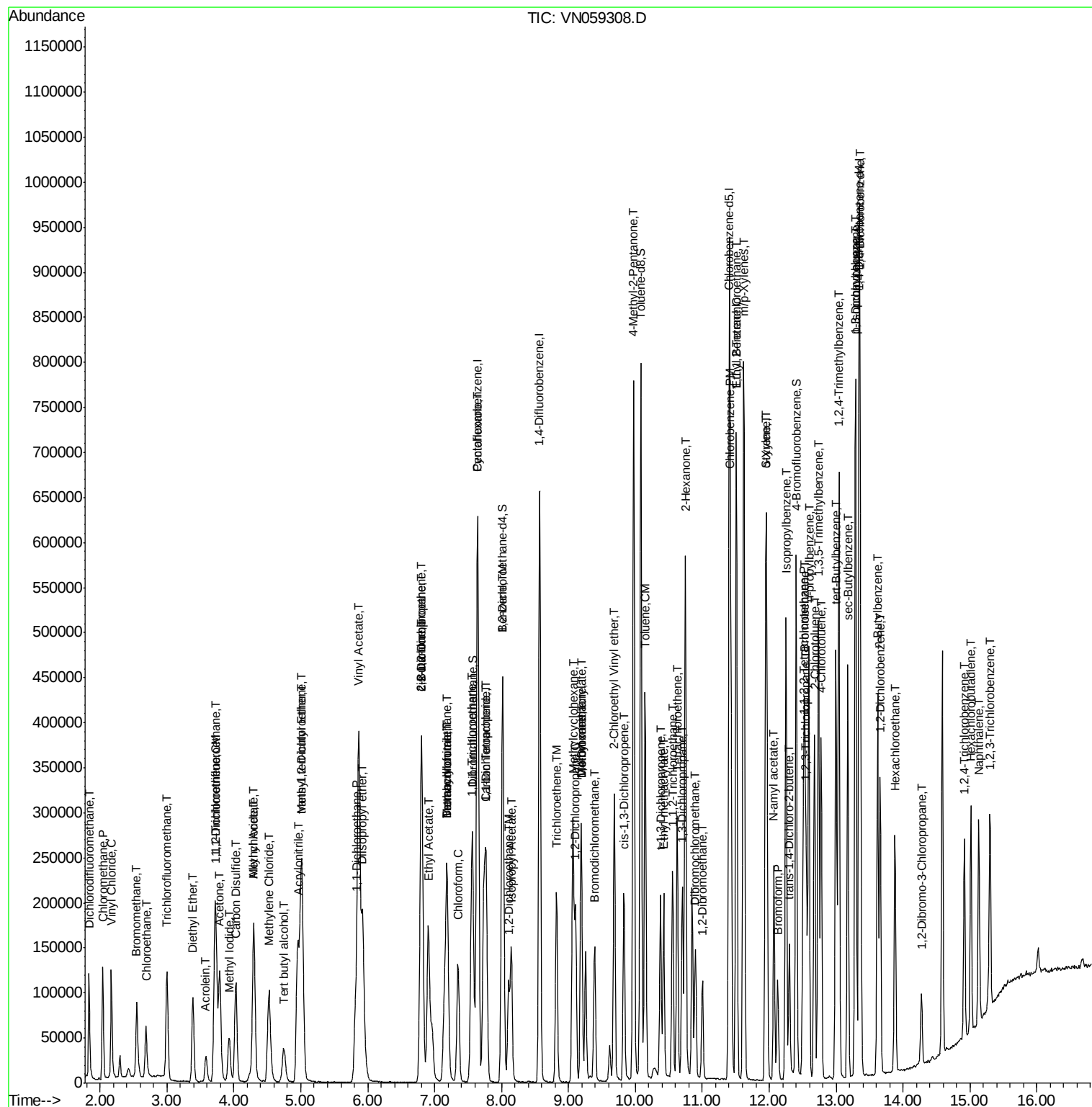
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71564	17.766	ug/l	99
94) Hexachlorobutadiene	15.01	225	48838	18.822	ug/l	99
95) Naphthalene	15.13	128	185465	16.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	71619	16.982	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

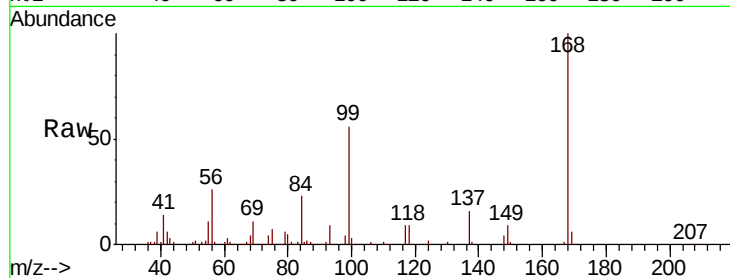
ClientSampled :

Tot Ion:168 Resp: 380538

Ion Ratio Lower Upper

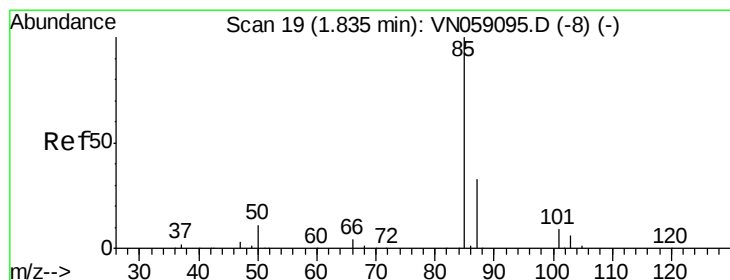
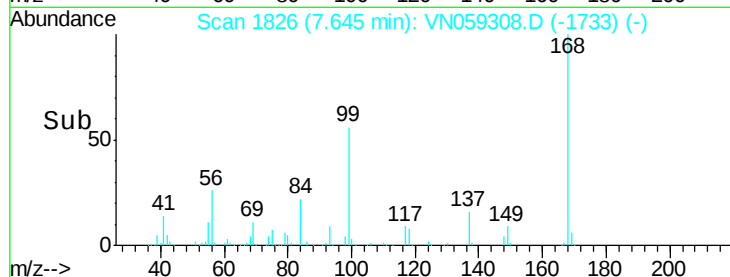
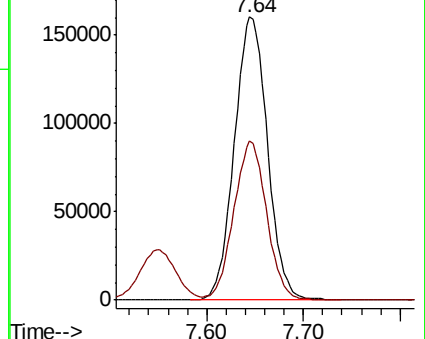
168 100

99 56.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 24.971 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059308.D

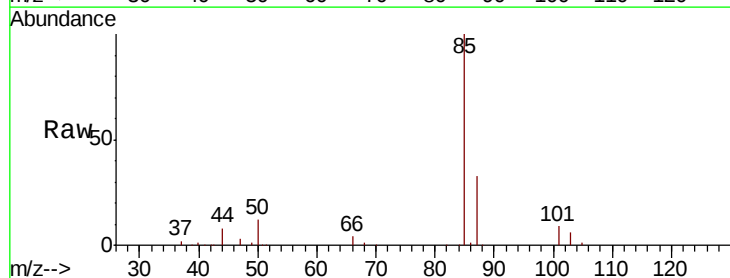
Acq: 19 Nov 2019 15:54

Tgt Ion: 85 Resp: 95740

Ion Ratio Lower Upper

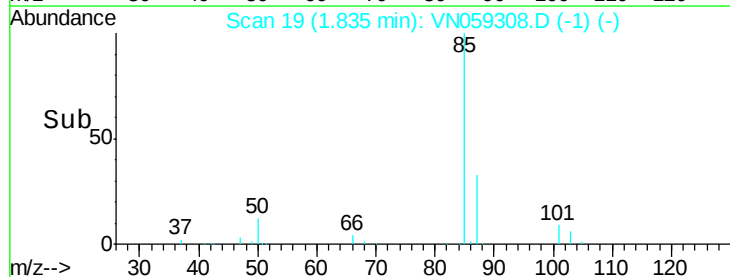
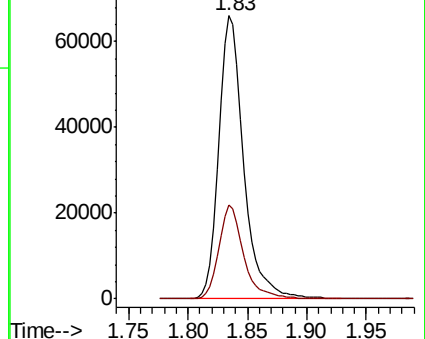
85 100

87 33.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.716 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

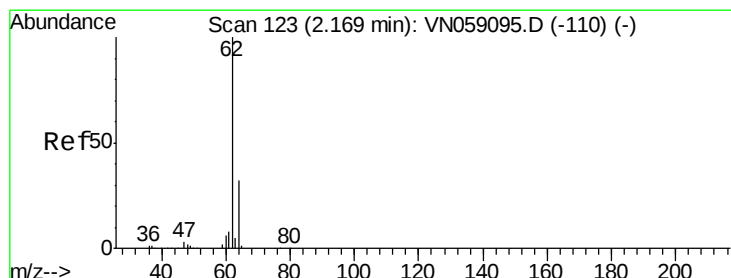
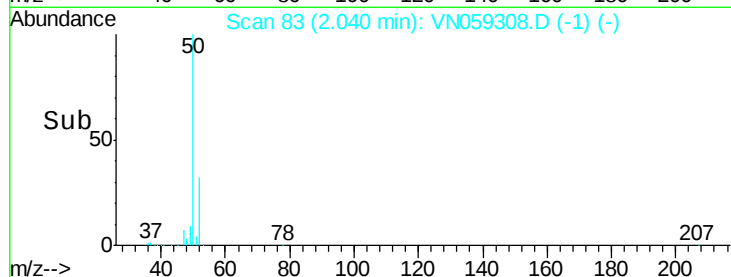
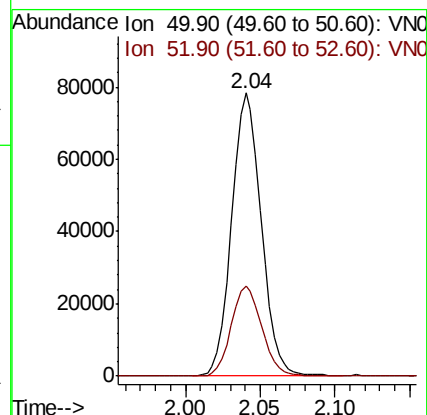
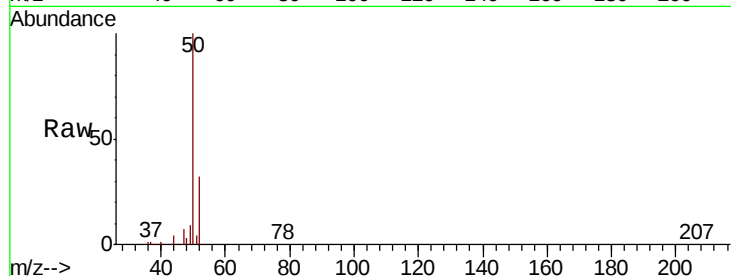
ClientSampled :

Tot Ion: 50 Resp: 107966

Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0



#4

Vinyl Chloride

Concen: 22.773 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059308.D

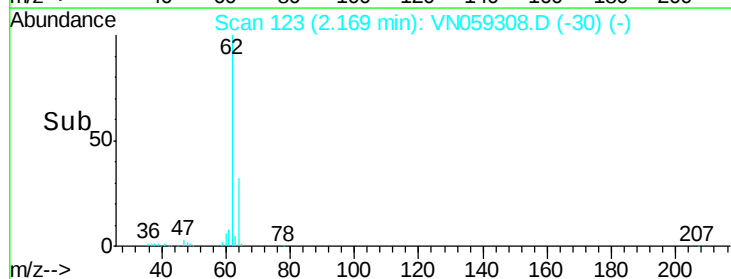
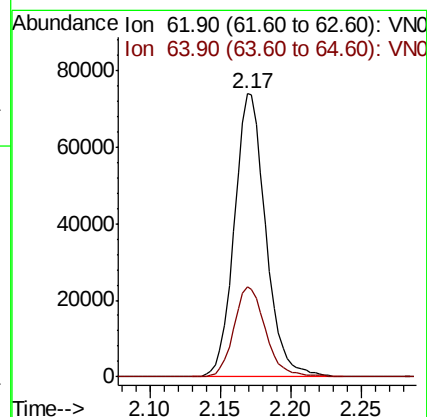
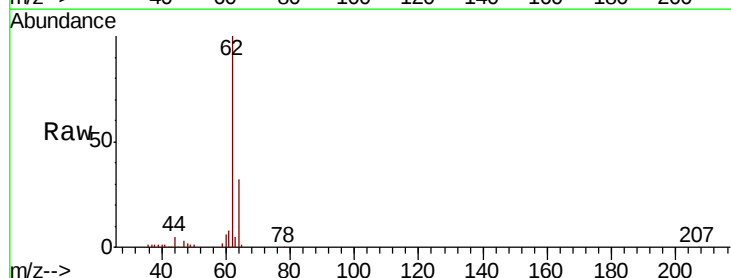
Acq: 19 Nov 2019 15:54

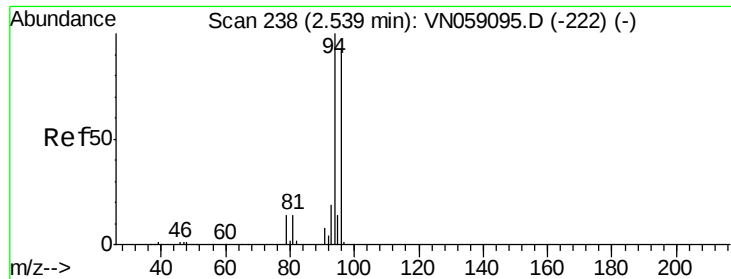
Tgt Ion: 62 Resp: 115071

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 20.737 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

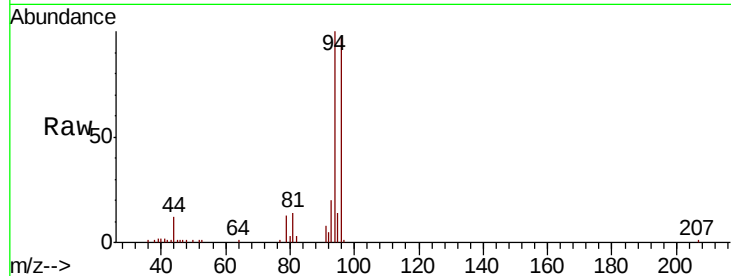
ClientSampleId :

Tot Ion: 94 Resp: 60299

Ion Ratio Lower Upper

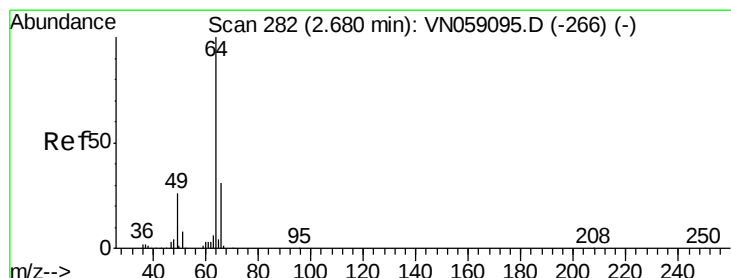
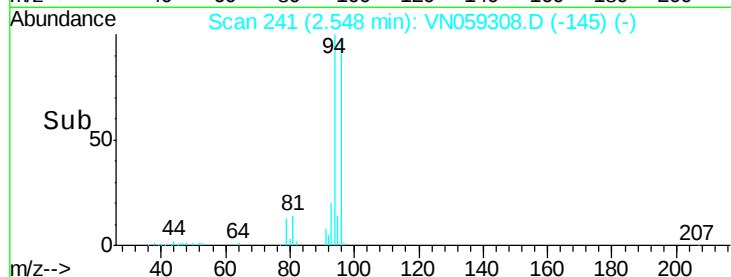
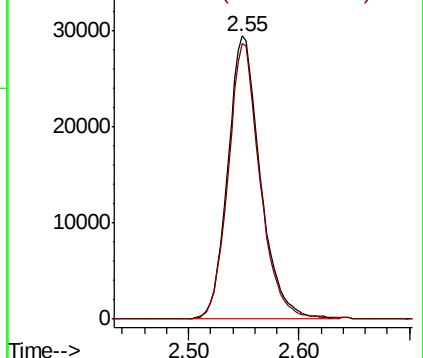
94 100

96 97.3 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.624 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059308.D

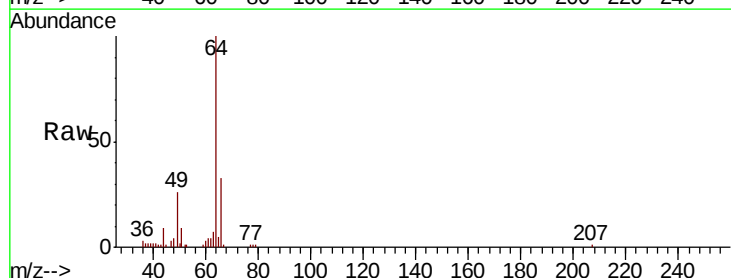
Acq: 19 Nov 2019 15:54

Tgt Ion: 64 Resp: 58658

Ion Ratio Lower Upper

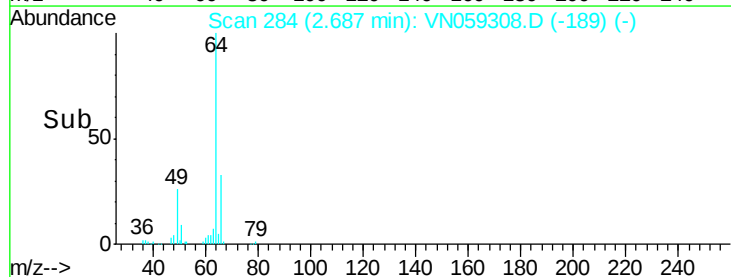
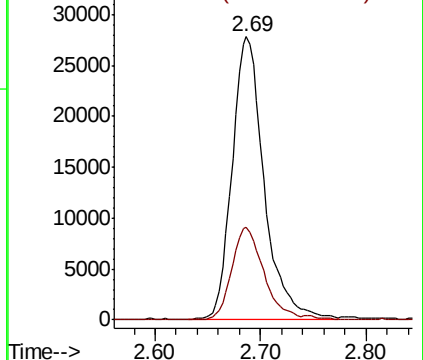
64 100

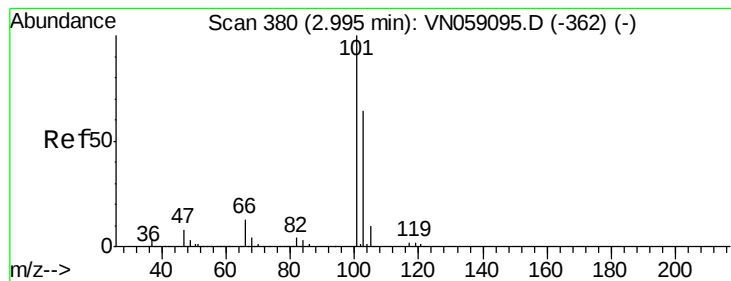
66 32.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



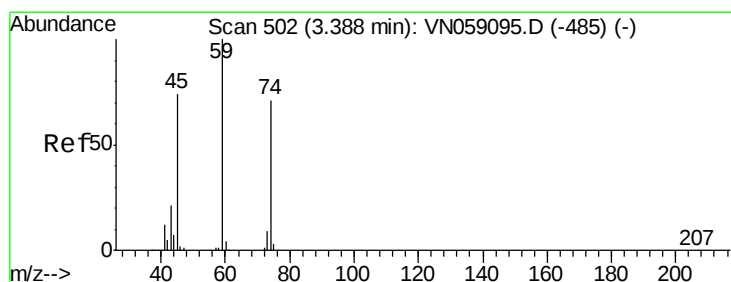
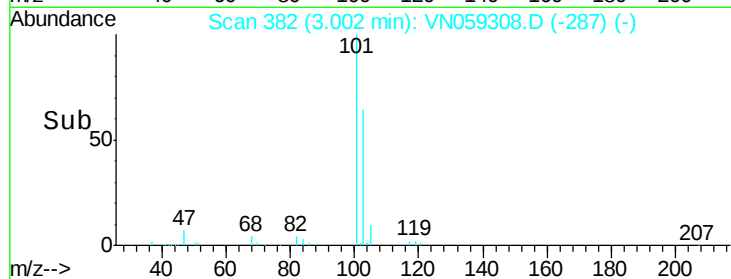
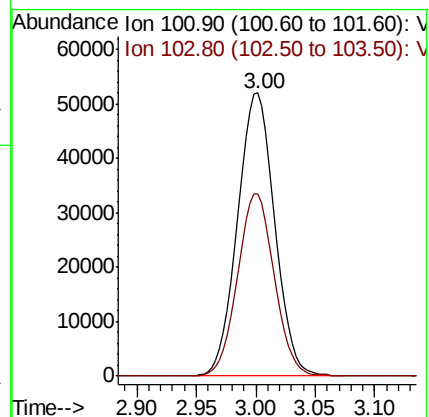
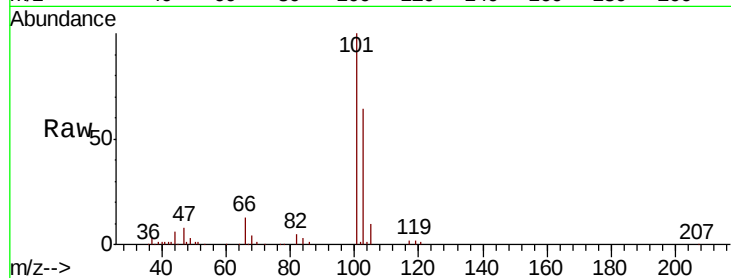


#7

Trichlorofluoromethane
 Concen: 18.642 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Instrument :
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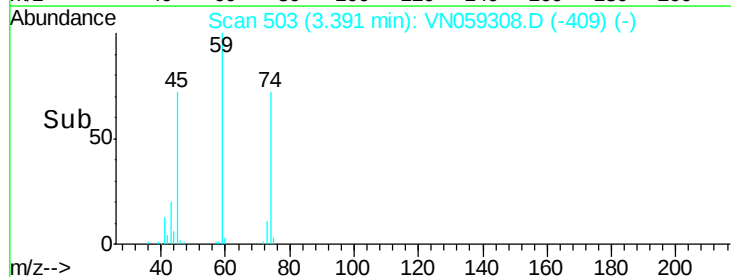
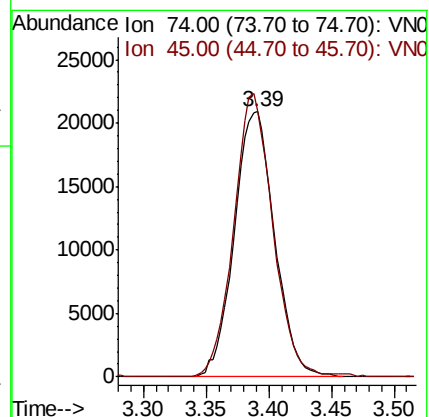
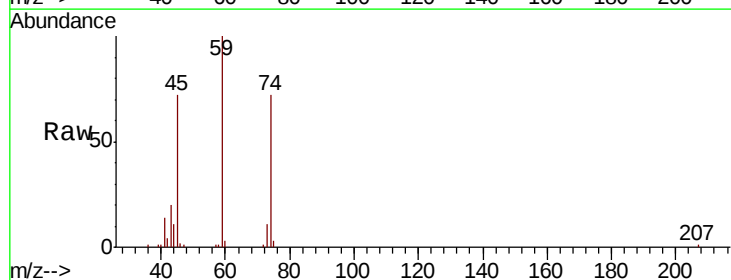
Tot Ion:101 Resp: 112671
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.2 76.8

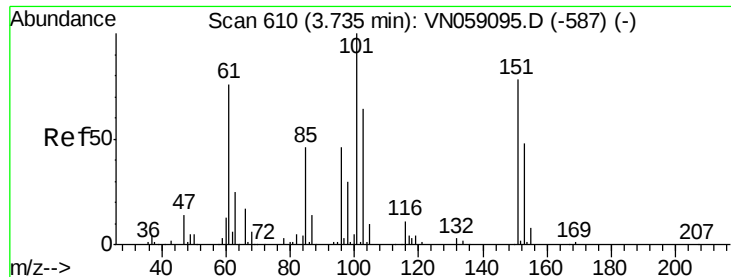


#8

Diethyl Ether
 Concen: 19.028 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Tgt Ion: 74 Resp: 46728
 Ion Ratio Lower Upper
 74 100
 45 103.4 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.405 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

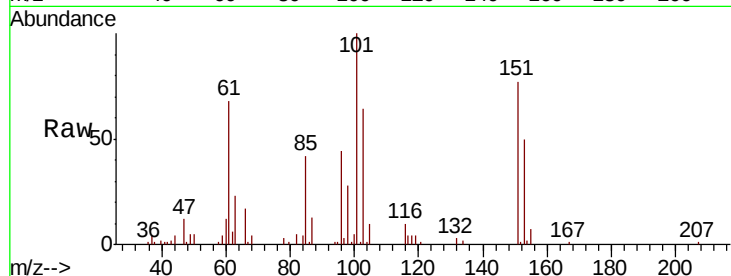
Tot Ion:101 Resp: 70715

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

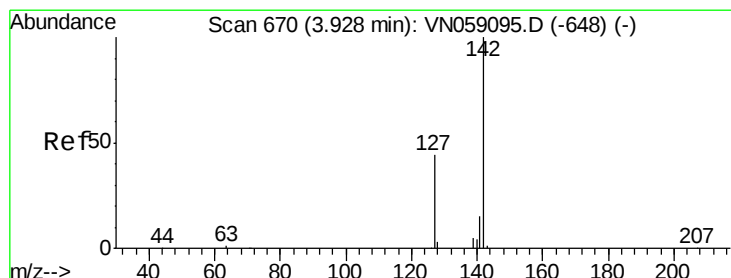
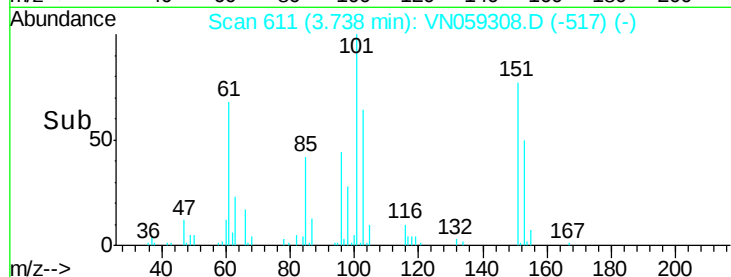
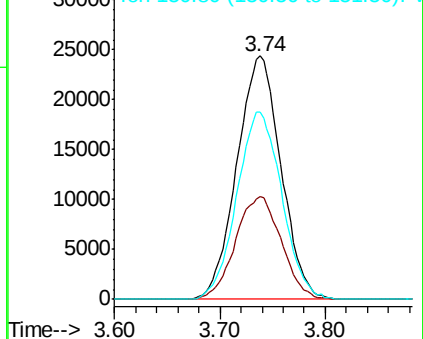
151 78.6 62.2 93.2



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: 18.699 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

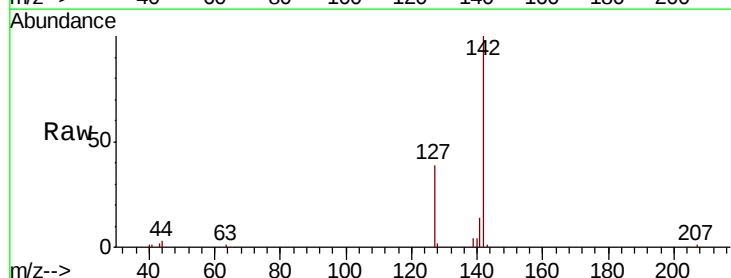
Tgt Ion:142 Resp: 84344

Ion Ratio Lower Upper

142 100

127 41.0 34.2 51.2

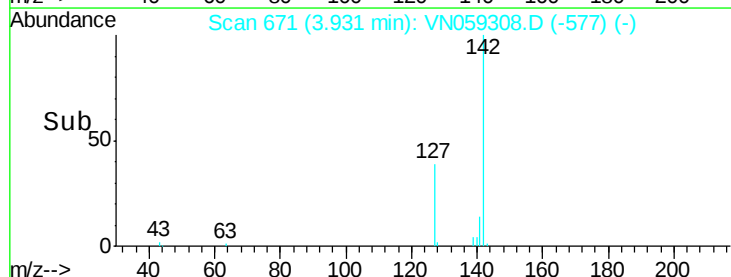
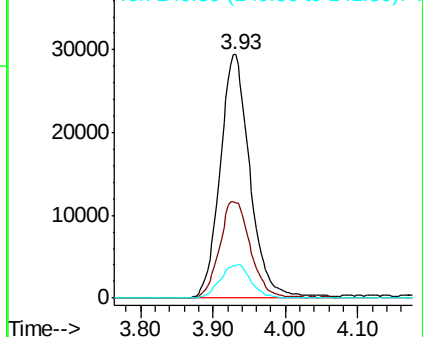
141 14.0 11.4 17.0

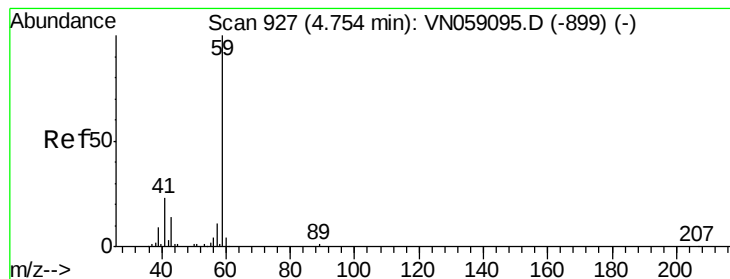


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



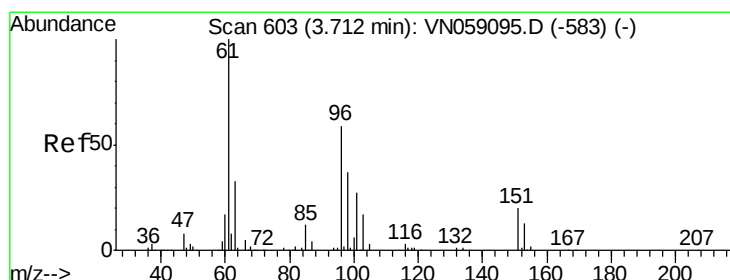
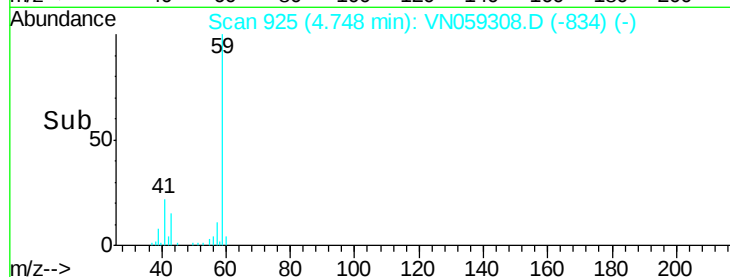
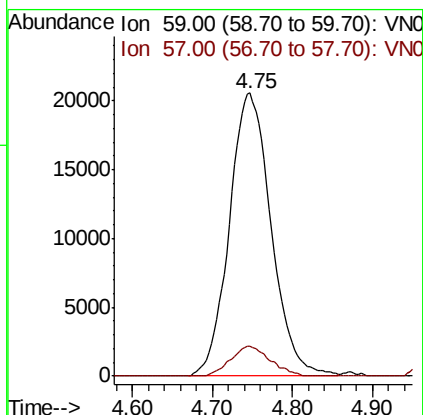
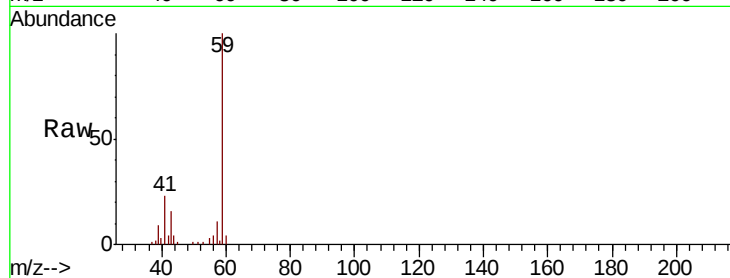


#11

Tert butyl alcohol
Concen: 82.047 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Instrument :
MSVOA_N
ClientSampled :

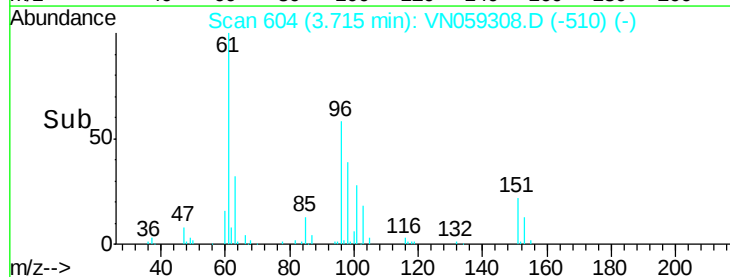
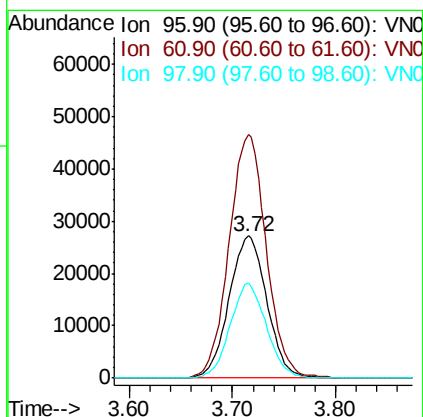
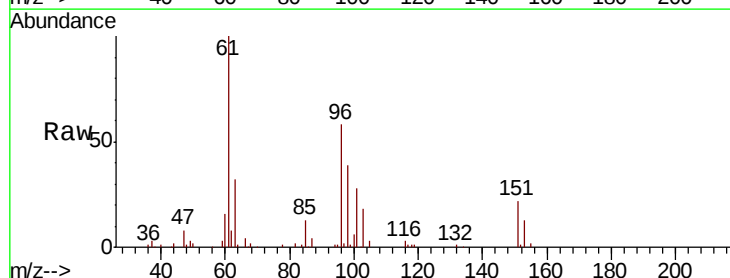
Tot Ion: 59 Resp: 73144
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5



#12

1,1-Dichloroethene
Concen: 19.433 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion: 96 Resp: 68985
Ion Ratio Lower Upper
96 100
61 171.1 136.5 204.7
98 66.8 50.2 75.4





#13

Acrolein

Concen: 71.840 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

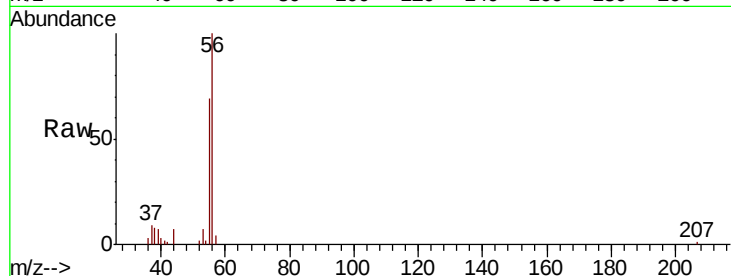
ClientSampleId :

Tot Ion: 56 Resp: 33020

Ion Ratio Lower Upper

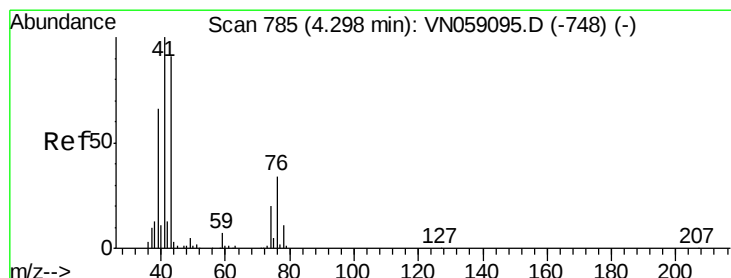
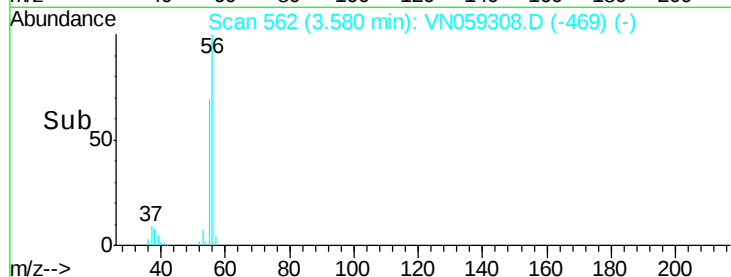
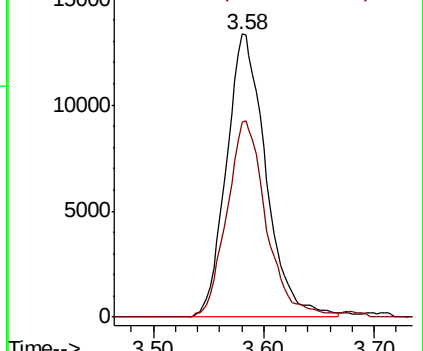
56 100

55 69.0 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.920 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

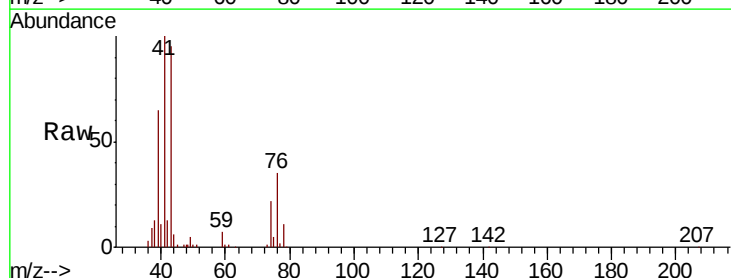
Tgt Ion: 41 Resp: 130671

Ion Ratio Lower Upper

41 100

39 62.2 49.1 73.7

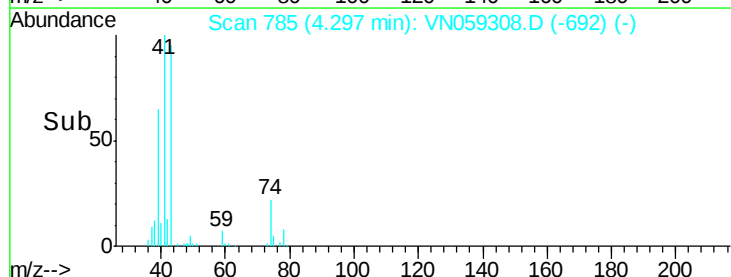
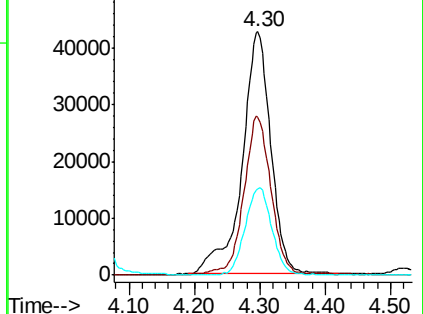
76 33.4 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 93.137 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

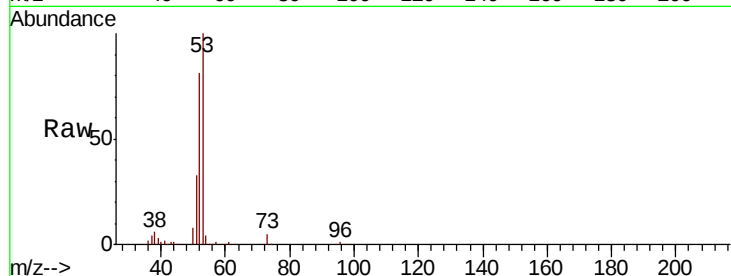
Tot Ion: 53 Resp: 206634

Ion Ratio Lower Upper

53 100

52 80.3 65.0 97.6

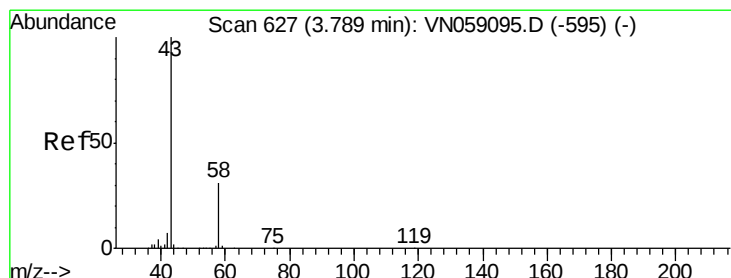
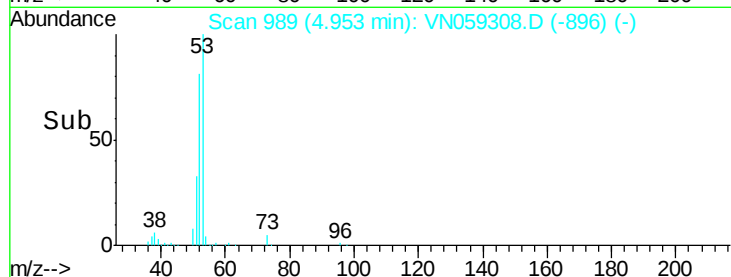
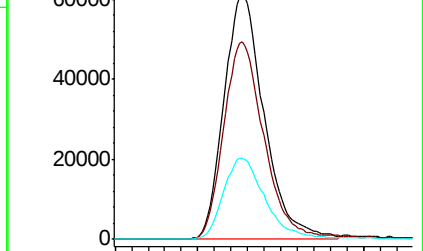
51 34.3 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059308.D (-896) (-)

Ion 52.00 (51.70 to 52.70): VN059308.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VN059308.D (-896) (-)



#16

Acetone

Concen: 83.032 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059308.D

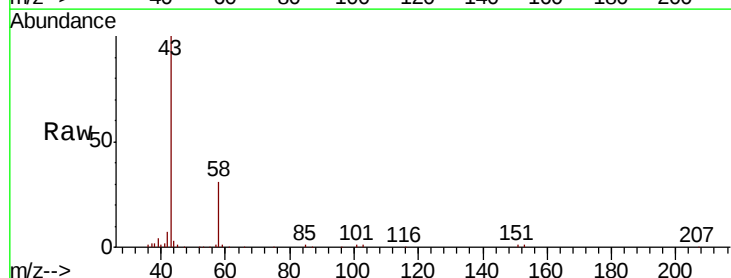
Acq: 19 Nov 2019 15:54

Tgt Ion: 43 Resp: 201980

Ion Ratio Lower Upper

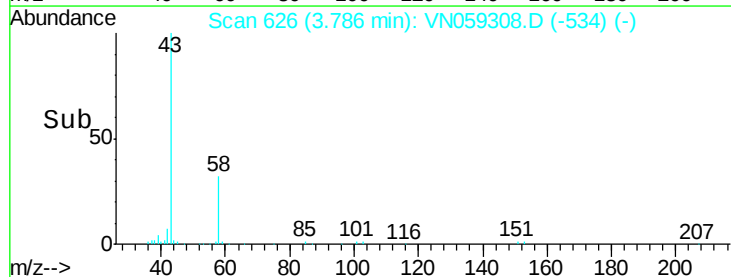
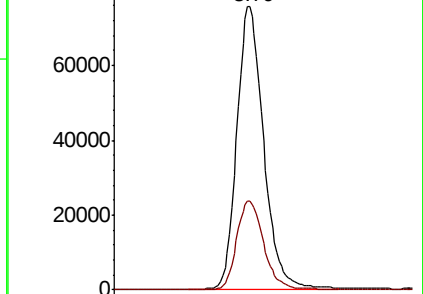
43 100

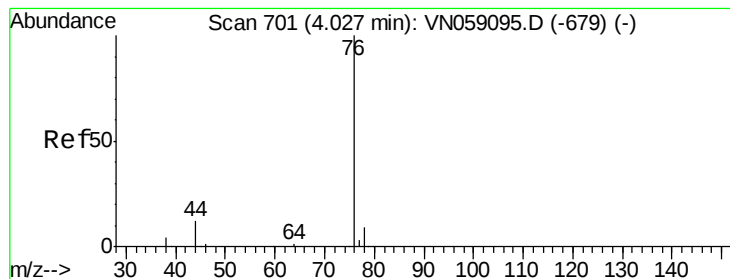
58 31.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059308.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059308.D (-534) (-)





#17

Carbon Disulfide

Concen: 19.953 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

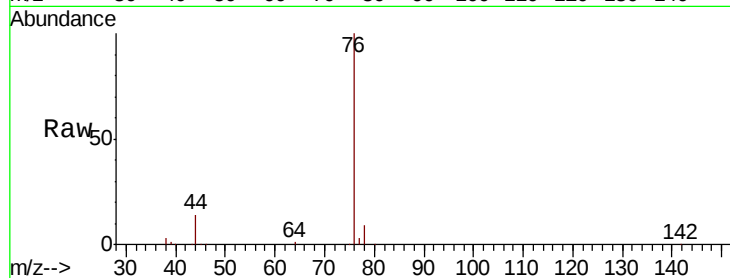
ClientSampleId :

Tot Ion: 76 Resp: 219870

Ion Ratio Lower Upper

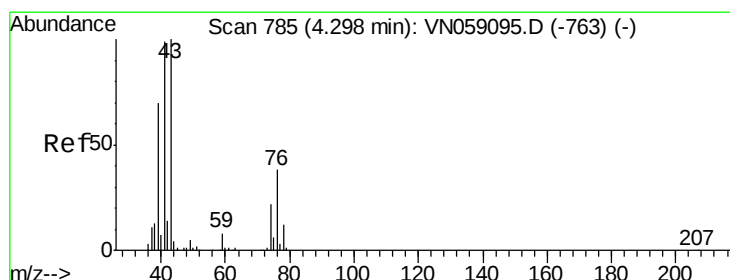
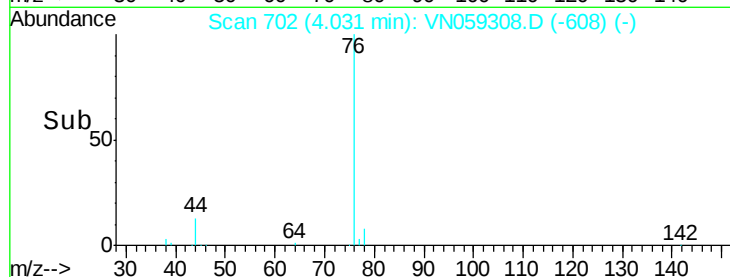
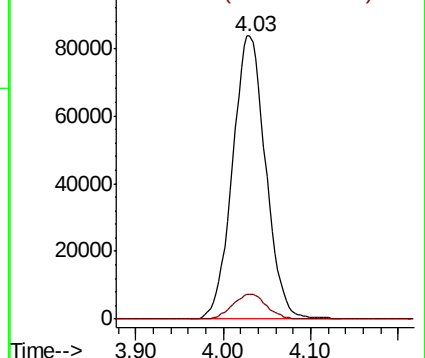
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 20.198 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059308.D

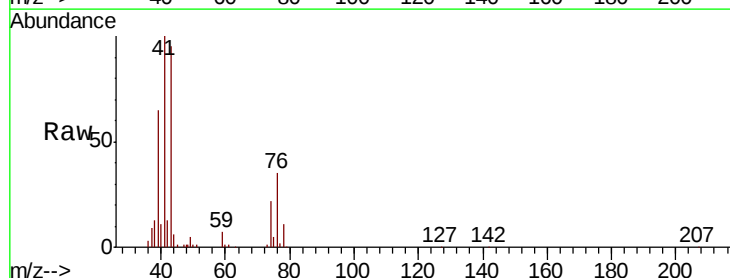
Acq: 19 Nov 2019 15:54

Tgt Ion: 43 Resp: 116623

Ion Ratio Lower Upper

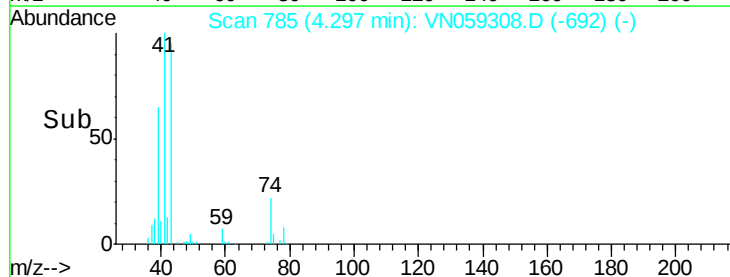
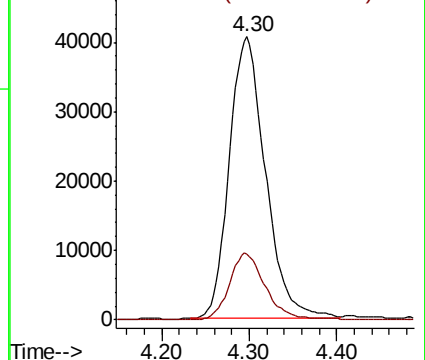
43 100

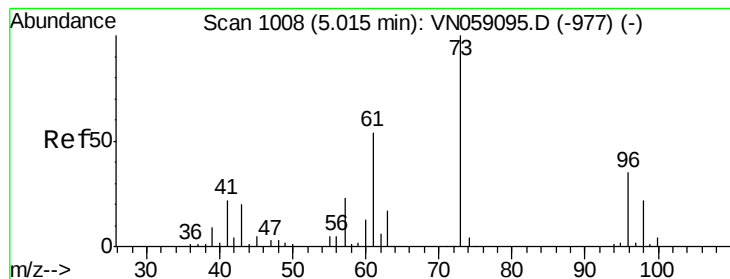
74 23.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#19

Methyl tert-butyl Ether

Concen: 18.642 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

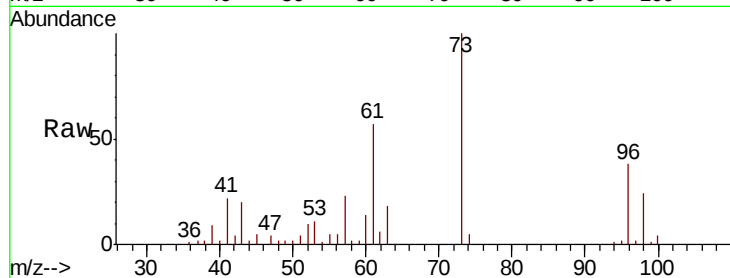
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 227837

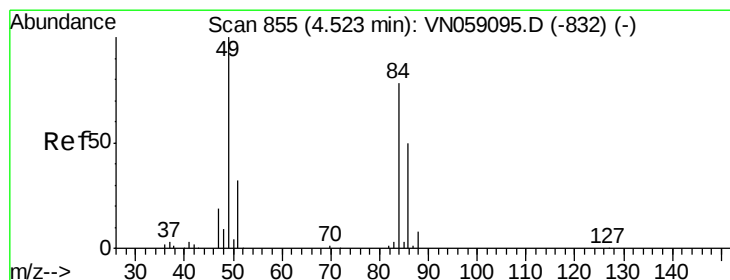
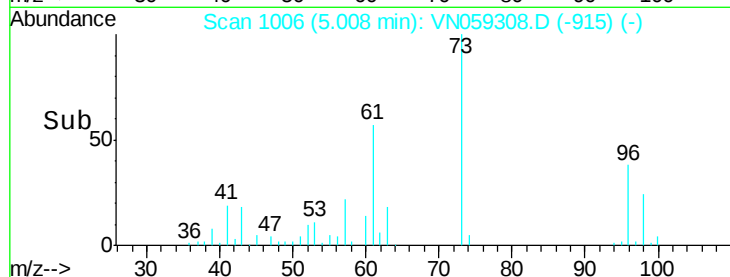
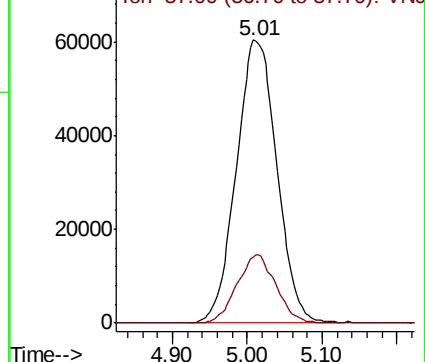
Ion Ratio Lower Upper

73 100

57 23.5 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VNO
Ion 57.00 (56.70 to 57.70): VNO



#20

Methylene Chloride

Concen: 19.064 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Tgt Ion: 84 Resp: 80792

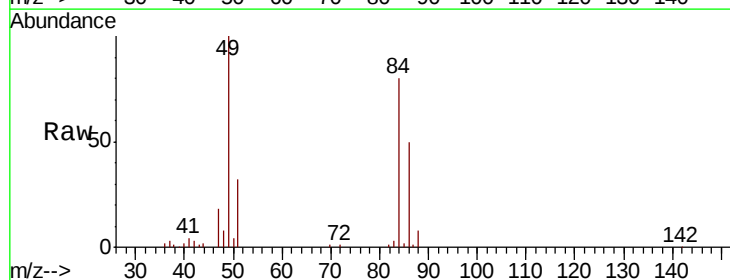
Ion Ratio Lower Upper

84 100

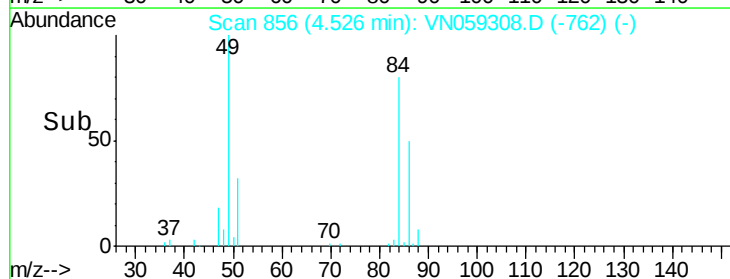
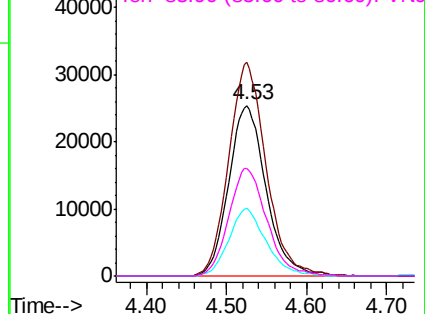
49 125.4 102.0 153.0

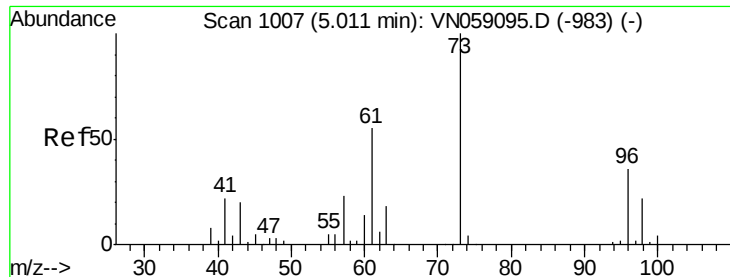
51 39.6 32.2 48.2

86 63.0 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

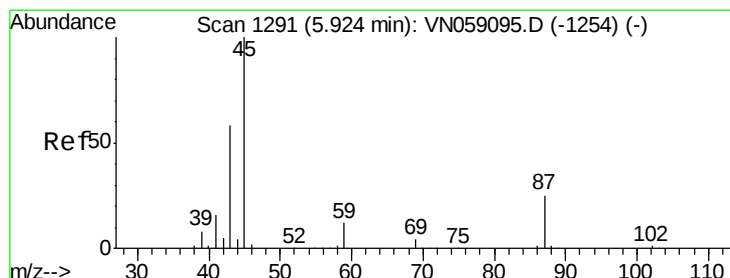
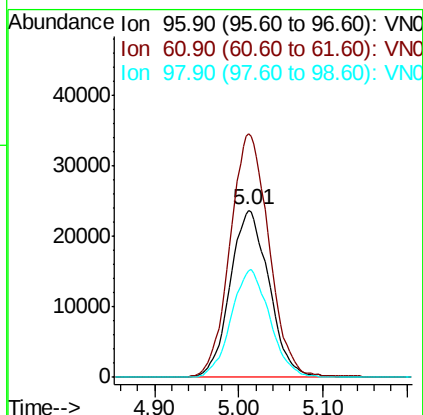
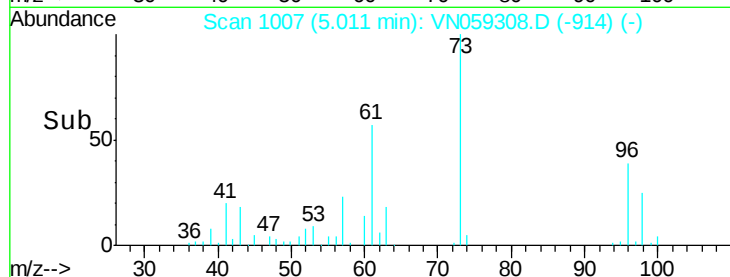
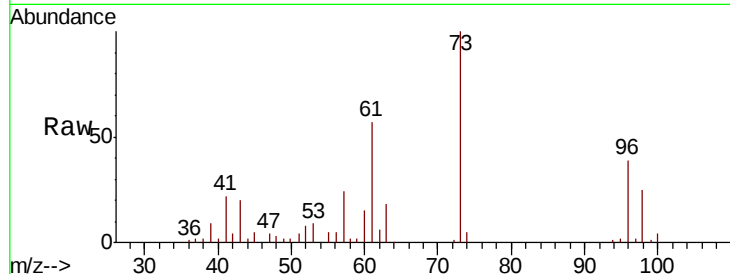




#21
trans-1,2-Dichloroethene
Concen: 20.016 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

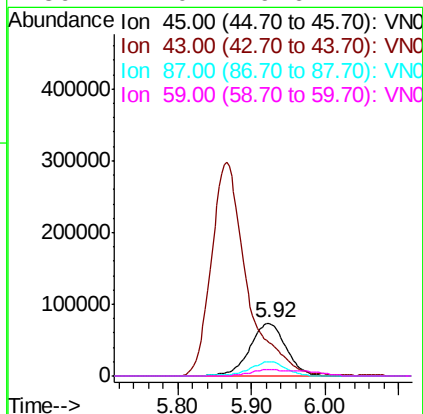
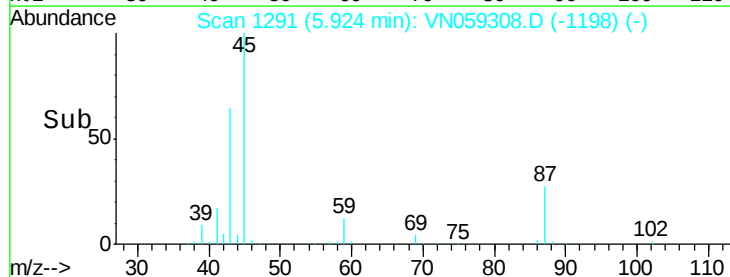
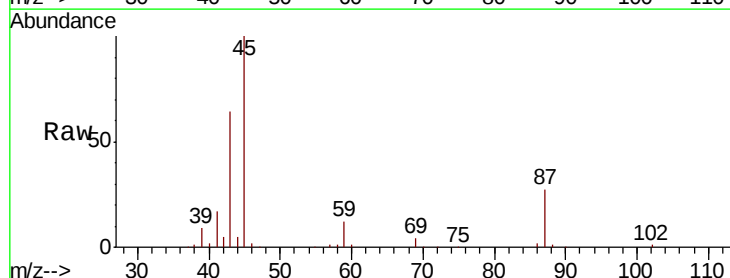
Instrument :
MSVOA_N
ClientSampled :

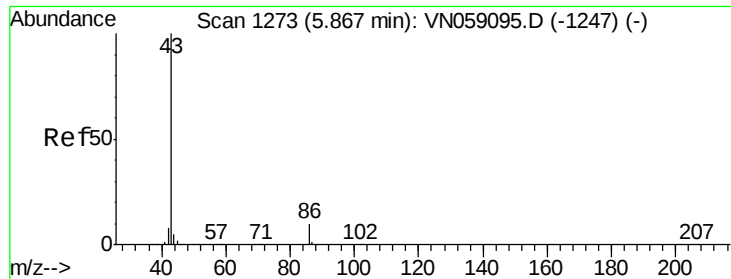
Tot Ion: 96 Resp: 76270
Ion Ratio Lower Upper
96 100
61 145.9 122.6 183.8
98 64.2 50.3 75.5



#22
Diisopropyl ether
Concen: 18.272 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion: 45 Resp: 251659
Ion Ratio Lower Upper
45 100
43 61.7 46.7 70.1
87 27.5 20.5 30.7
59 12.0 9.6 14.4

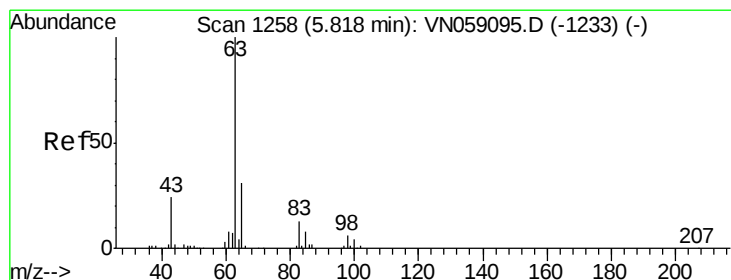
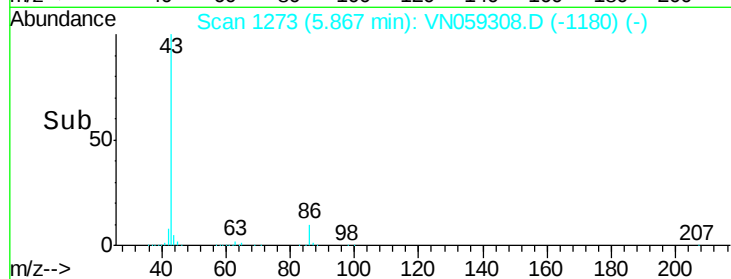
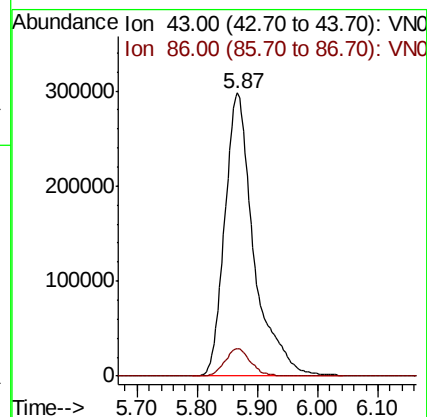
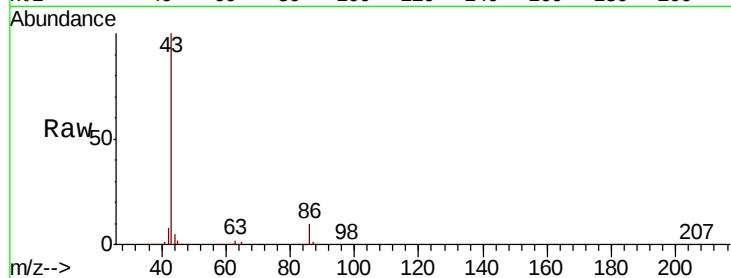




#23
 Vinyl Acetate
 Concen: 93.567 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

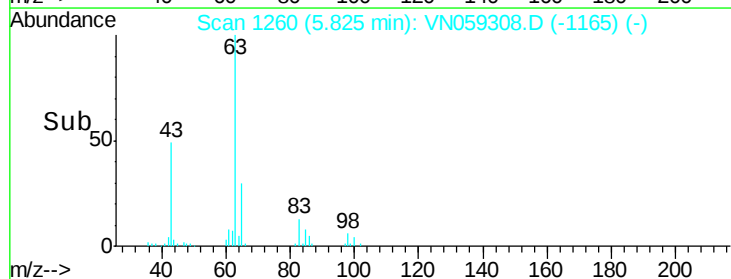
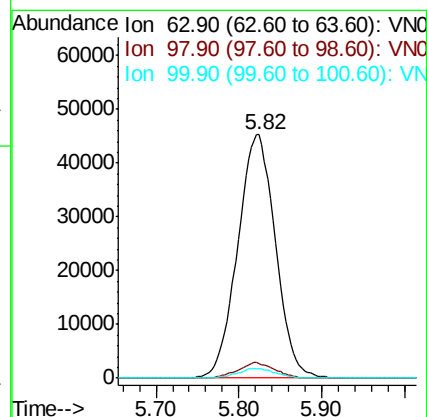
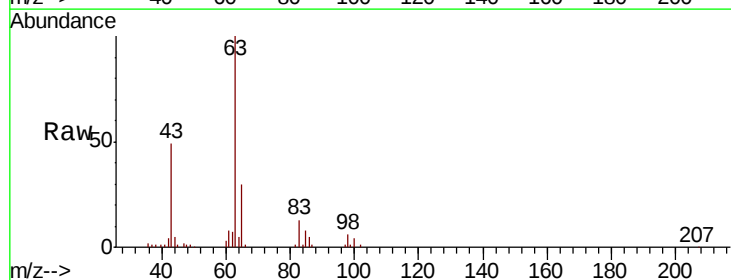
Instrument :
 MSVOA_N
 ClientSampleId :

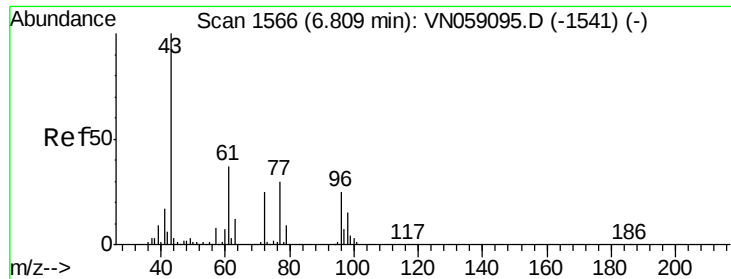
Tot Ion: 43 Resp: 998770
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 18.639 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Tgt Ion: 63 Resp: 143383
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 3.7 1.9 5.7





#25

2-Butanone

Concen: 87.317 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

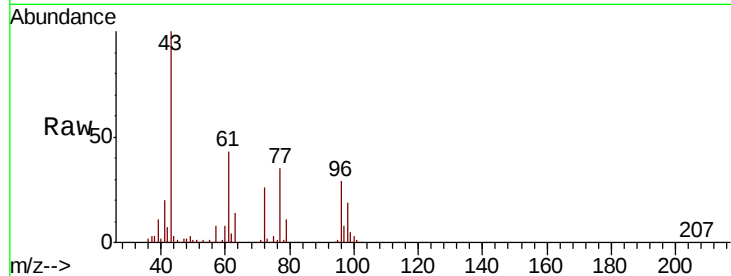
ClientSampled :

Tot Ion: 43 Resp: 279935

Ion Ratio Lower Upper

43 100

72 26.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

100000

80000

60000

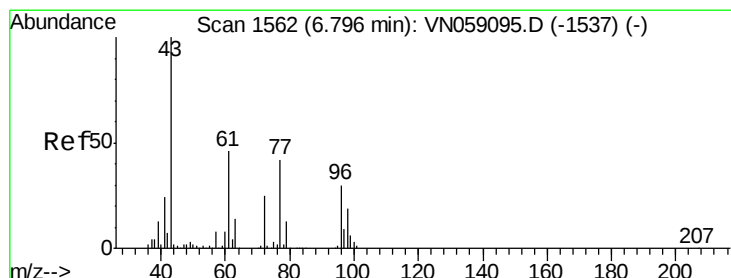
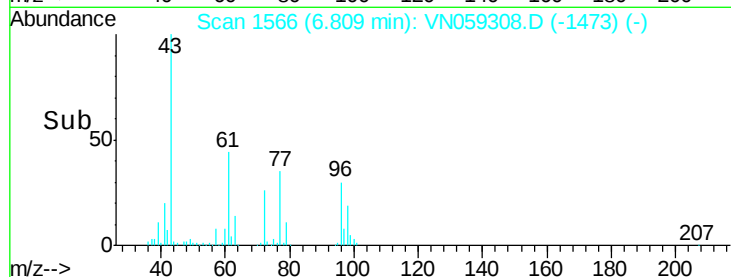
40000

20000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.193 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059308.D

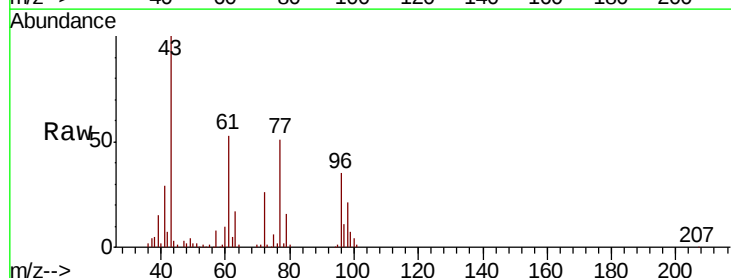
Acq: 19 Nov 2019 15:54

Tgt Ion: 77 Resp: 122377

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

40000

30000

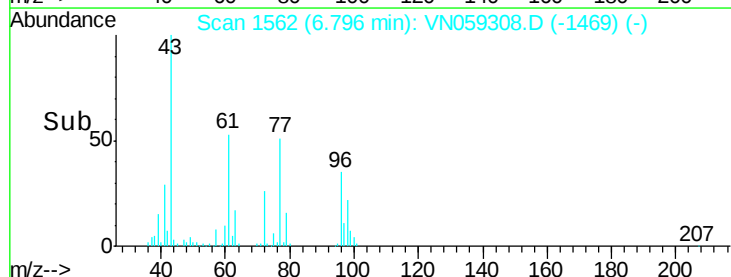
20000

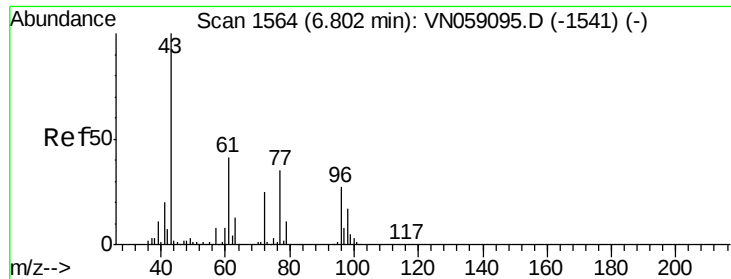
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.250 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :
MSVOA_N
ClientSampled :

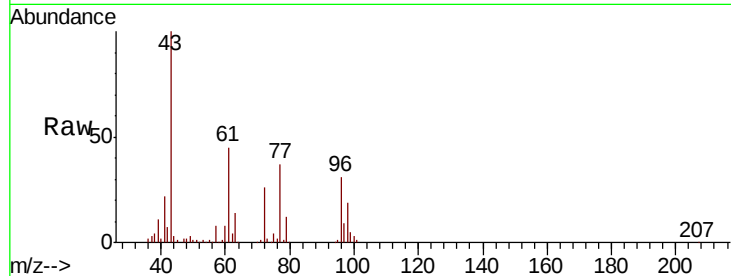
Tot Ion: 96 Resp: 85099

Ion Ratio Lower Upper

96 100

61 150.9 0.0 311.6

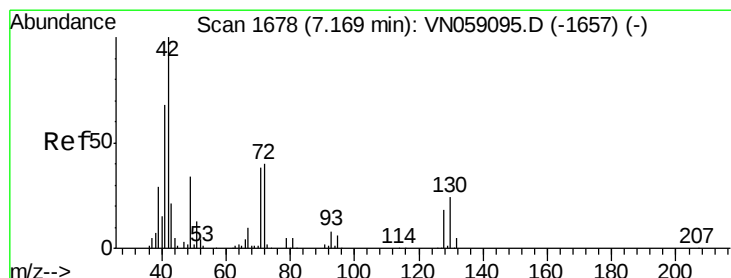
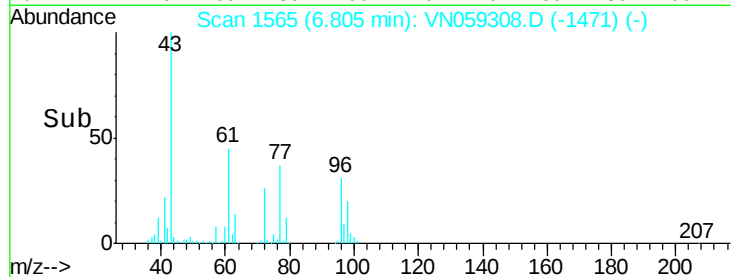
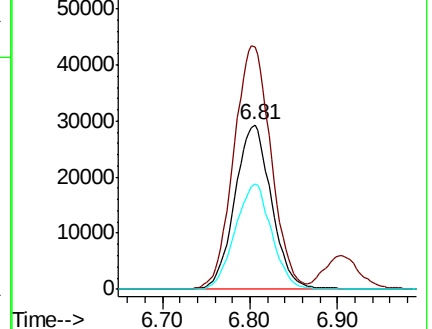
98 63.6 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059308.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059308.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059308.D (-1471) (-)



#28

Bromochloromethane

Concen: 12.584 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

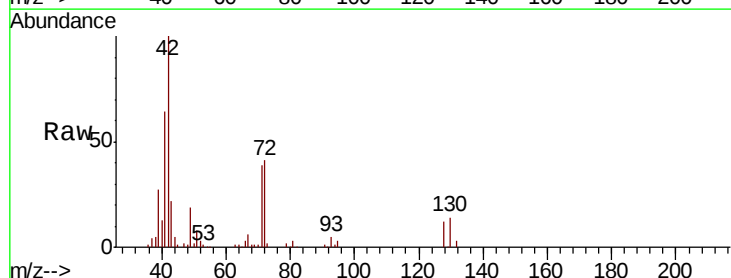
Tgt Ion: 49 Resp: 29124

Ion Ratio Lower Upper

49 100

129 0.6 0.0 3.8

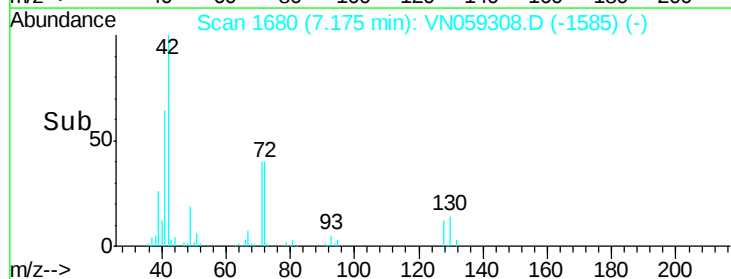
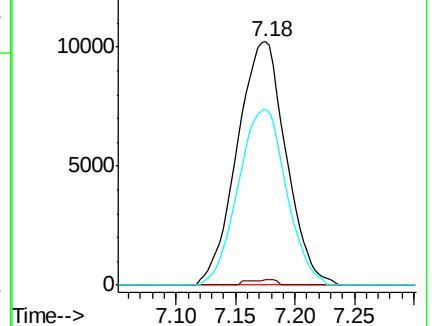
130 70.9 55.6 83.4

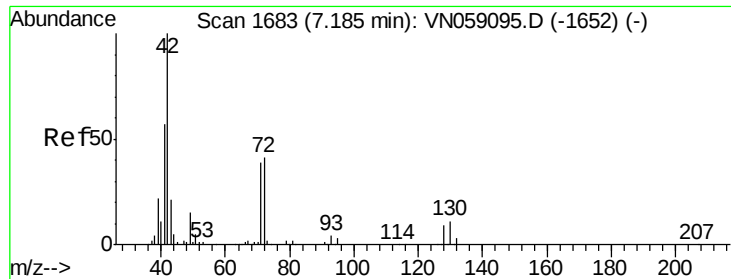


Abundance Ion 48.90 (48.60 to 49.60): VN059308.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059308.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059308.D (-1585) (-)

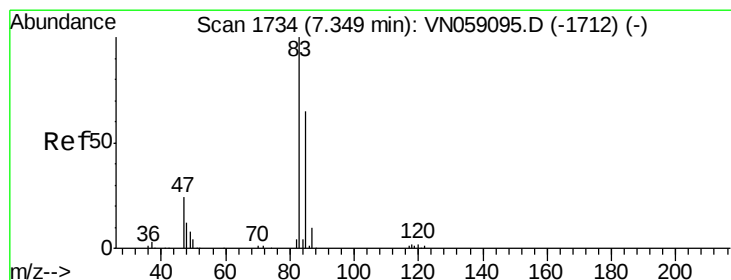
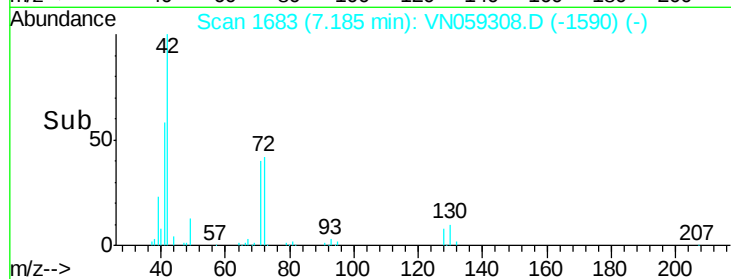
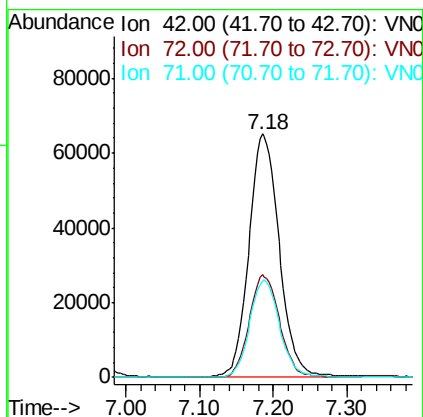
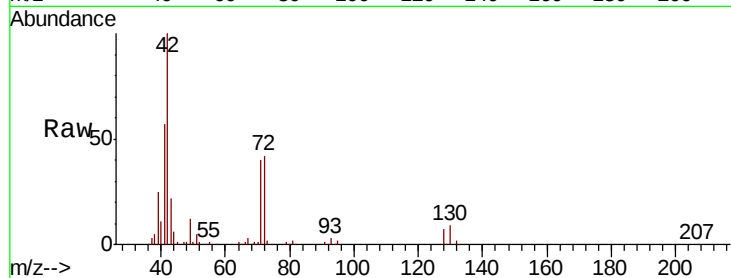




#29
Tetrahydrofuran
Concen: 91.877 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

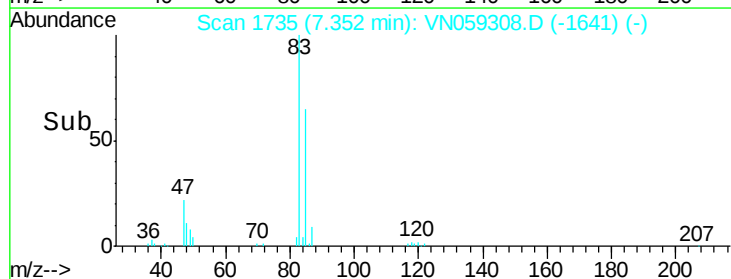
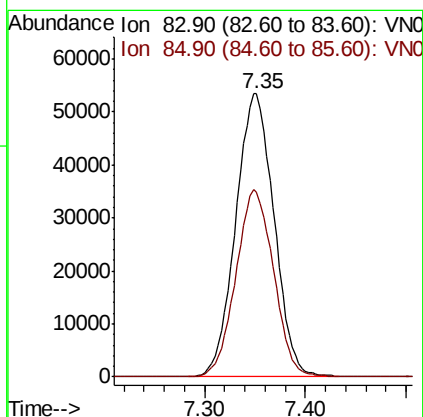
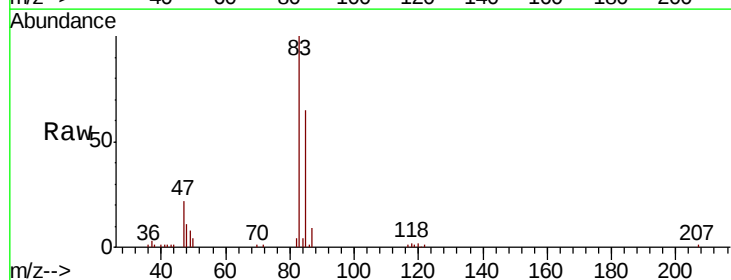
Instrument :
MSVOA_N
ClientSampleId :

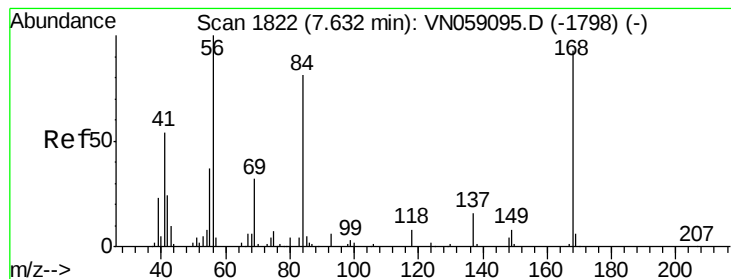
Tot Ion: 42 Resp: 187158
Ion Ratio Lower Upper
42 100
72 41.7 33.1 49.7
71 39.3 30.9 46.3



#30
Chloroform
Concen: 19.068 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion: 83 Resp: 140712
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.8





#31

Cyclohexane

Concen: 18.547 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

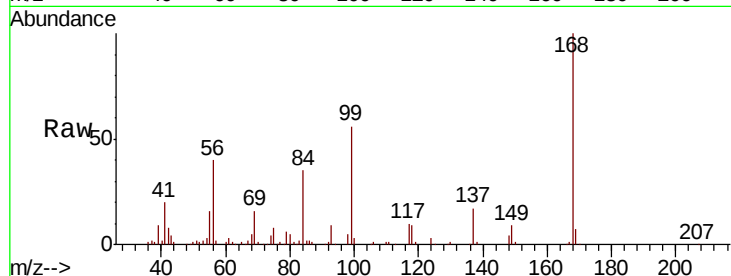
Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

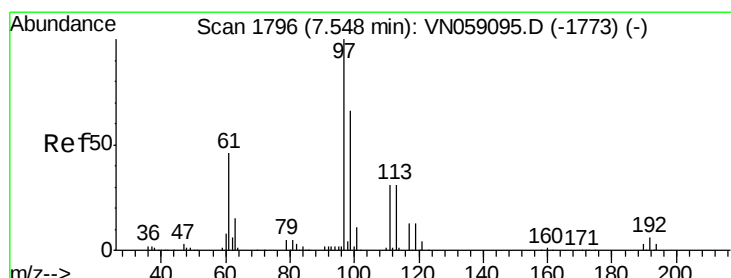
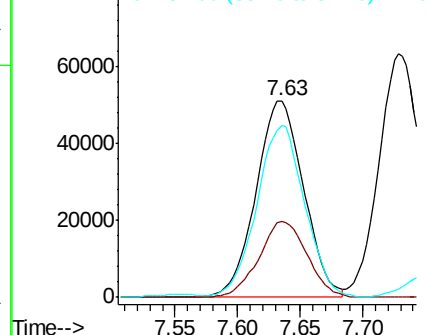
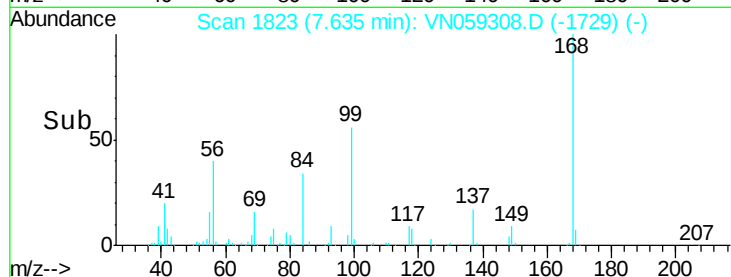
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 135069

Ion	Ratio	Lower	Upper
56	100		
69	38.8	25.8	38.8#
84	86.0	65.0	97.4



Abundance Ion 56.00 (55.70 to 56.70): VN059308.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 18.698 ug/l

RT: 7.55 min Scan# 1796

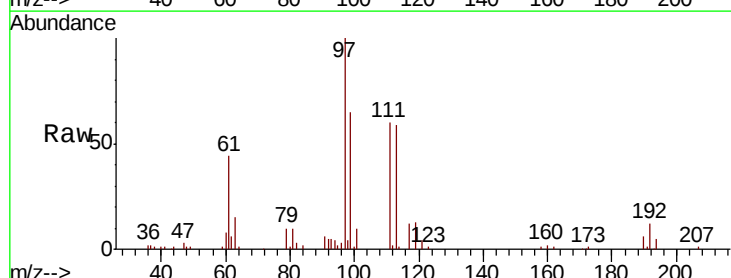
Delta R.T. -0.00 min

Lab File: VN059308.D

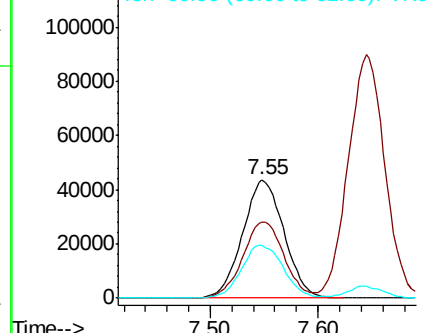
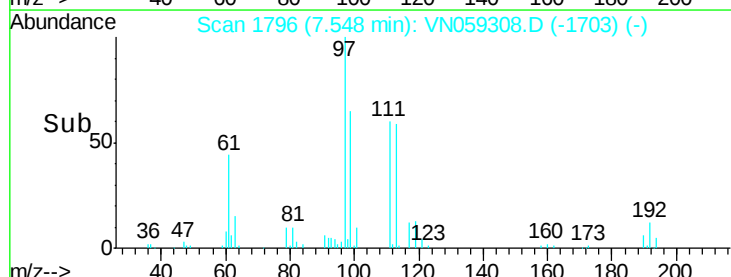
Acq: 19 Nov 2019 15:54

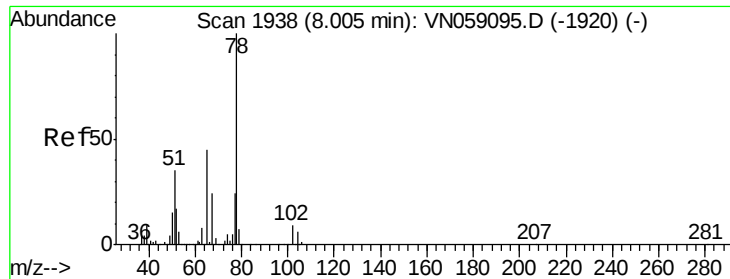
Tgt Ion: 97 Resp: 116006

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.6
61	45.4	35.8	53.8



Abundance Ion 96.90 (96.60 to 97.60): VN059308.D (-1703) (-)

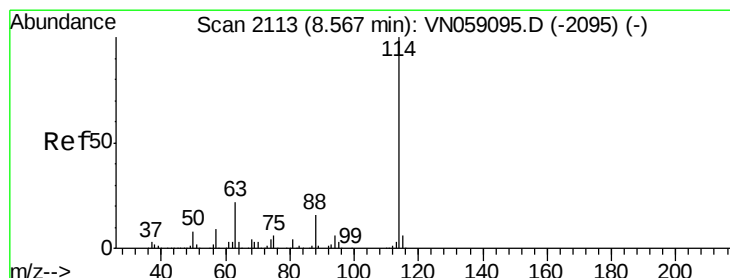
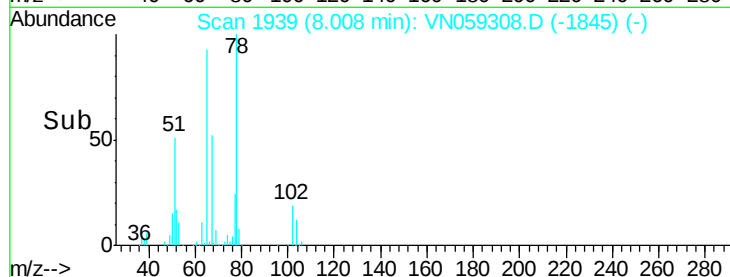
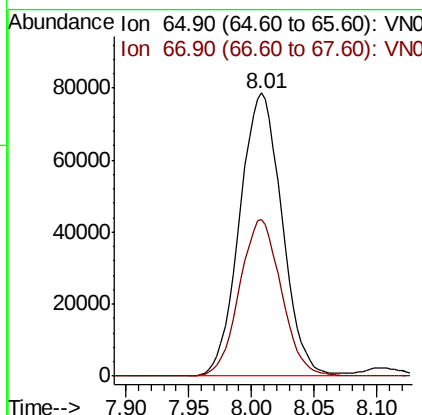
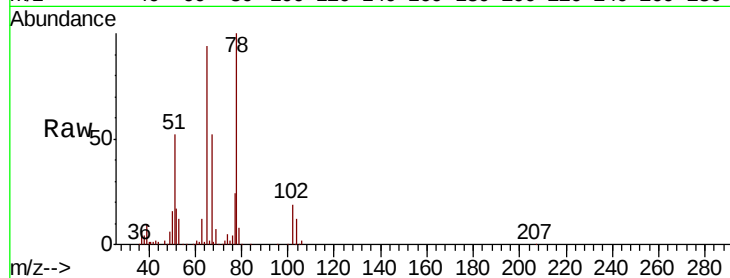




#33
 1,2-Dichloroethane-d4
 Concen: 39.429 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

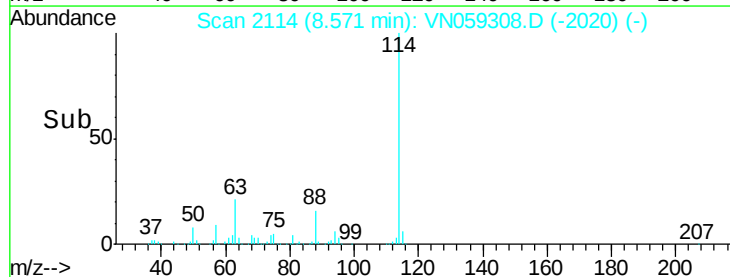
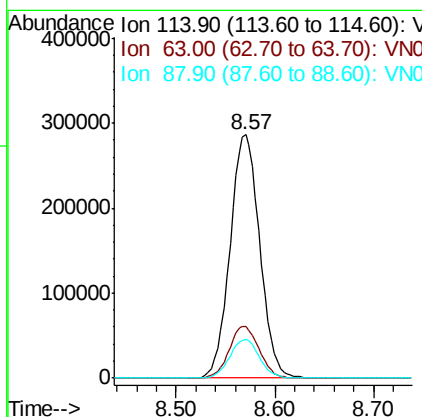
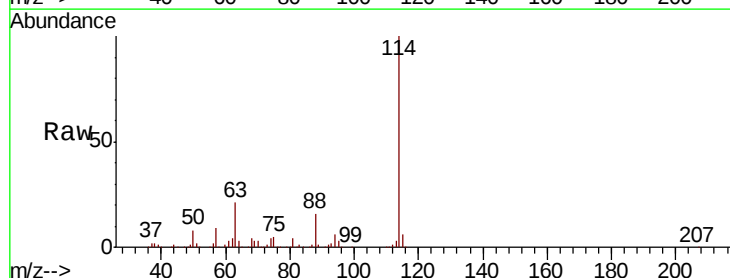
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 184439
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Tgt Ion: 114 Resp: 600501
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.4
 88 15.8 0.0 32.2

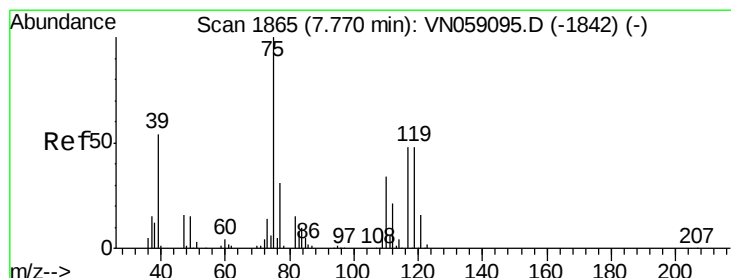
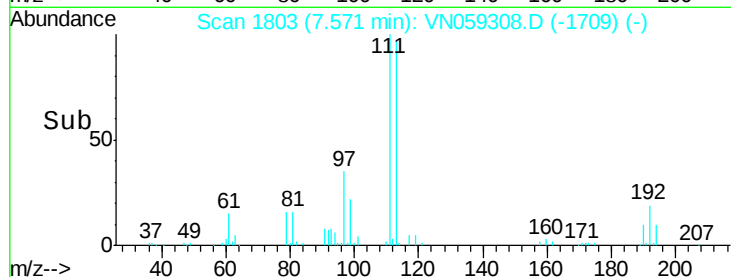
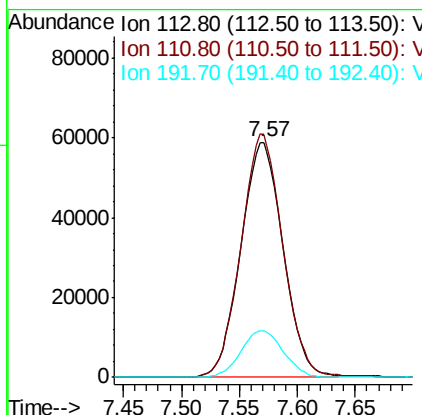
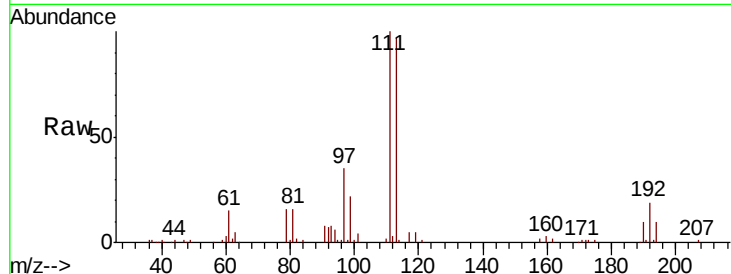




#35
 Dibromofluoromethane
 Concen: 41.694 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

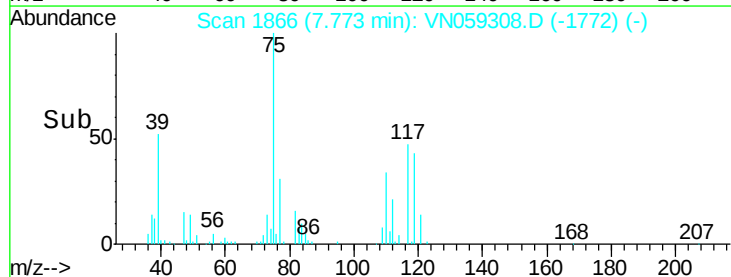
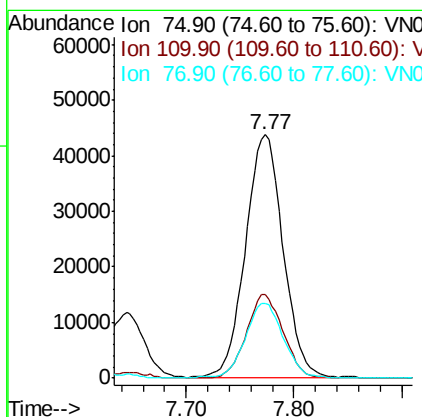
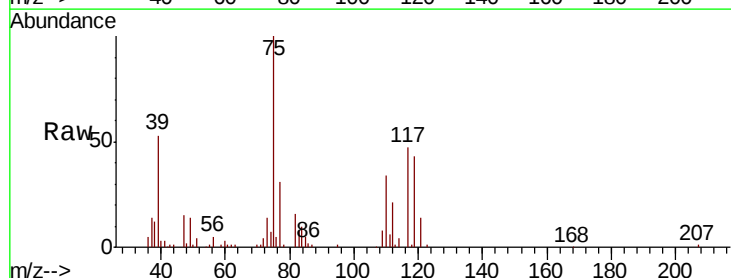
Instrument :
 MSVOA_N
 ClientSampleId :

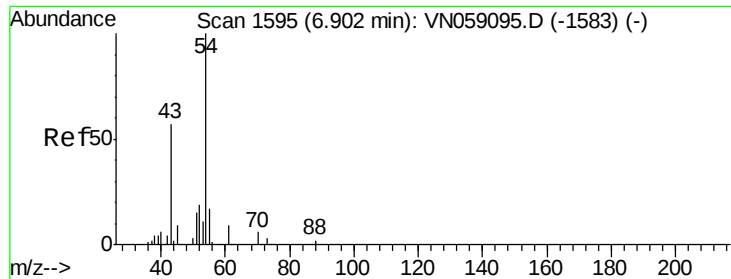
Tot Ion:113 Resp: 149496
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.8 124.2
 192 20.0 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 18.809 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Tgt Ion: 75 Resp: 105576
 Ion Ratio Lower Upper
 75 100
 110 33.6 17.1 51.2
 77 31.4 24.8 37.2

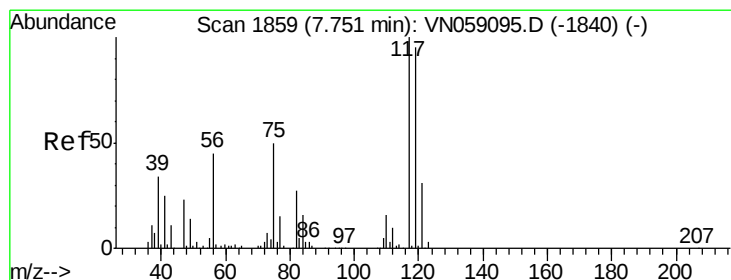
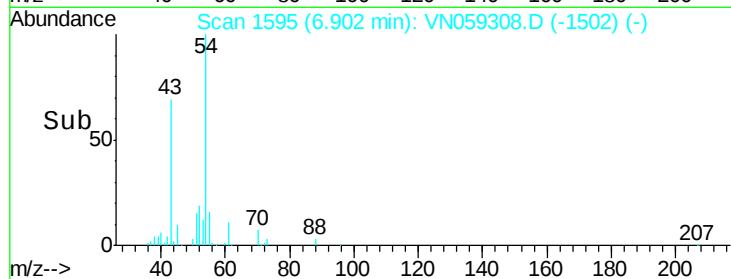
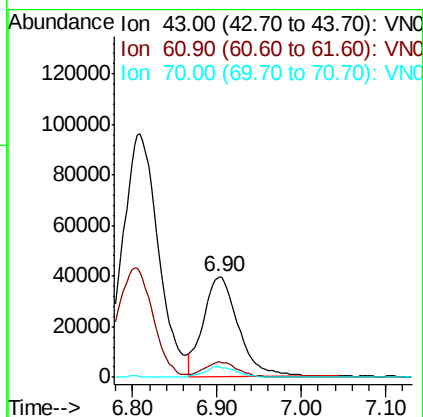
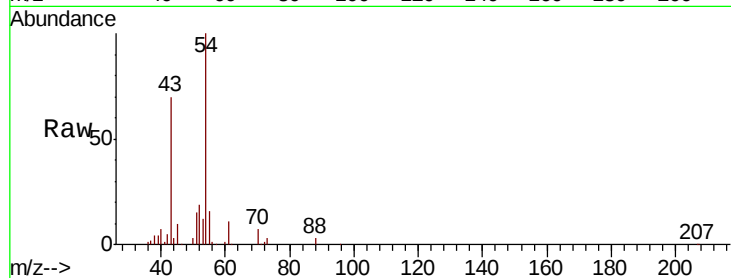




#37
Ethyl Acetate
Concen: 18.431 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

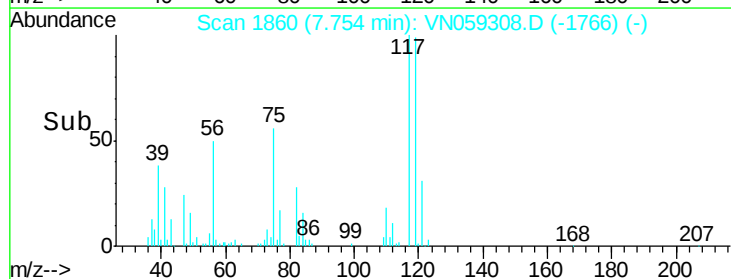
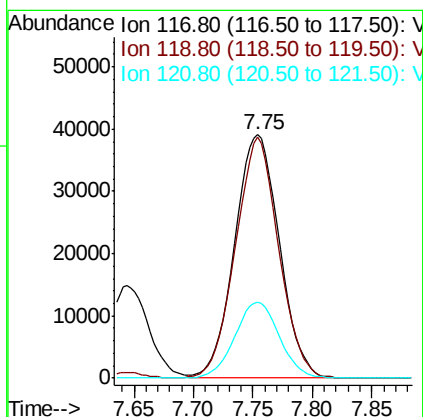
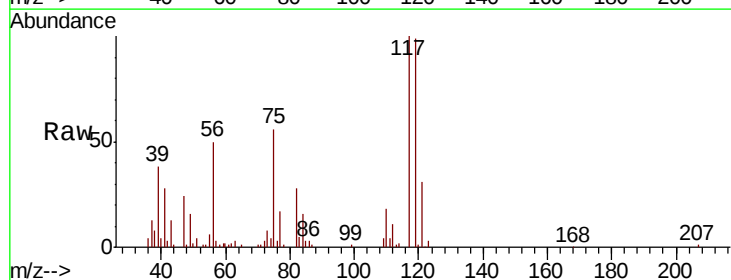
Instrument :
MSVOA_N
ClientSampleId :

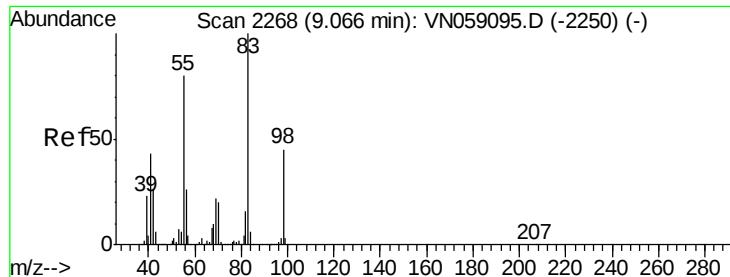
Tot Ion: 43 Resp: 115087
Ion Ratio Lower Upper
43 100
61 15.0 11.2 16.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 18.220 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion: 117 Resp: 101788
Ion Ratio Lower Upper
117 100
119 99.1 75.6 113.4
121 31.2 24.6 36.8

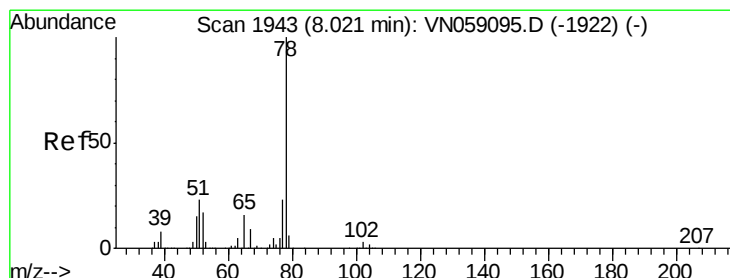
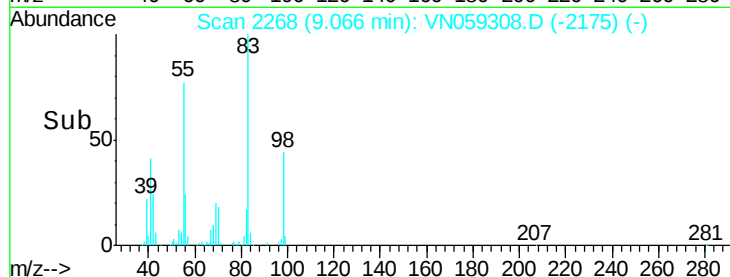
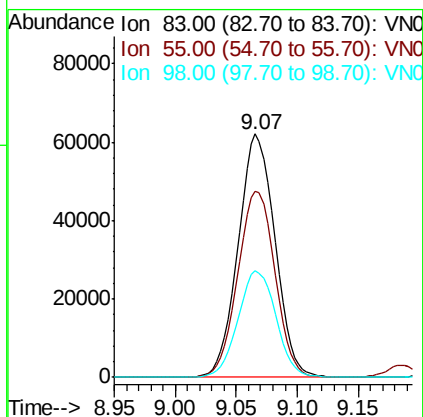
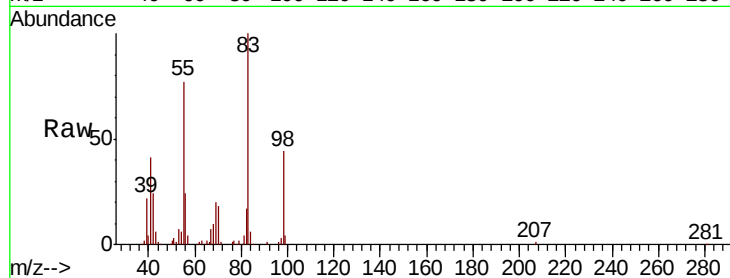




#39
Methvlcvclohexane
Concen: 19.878 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

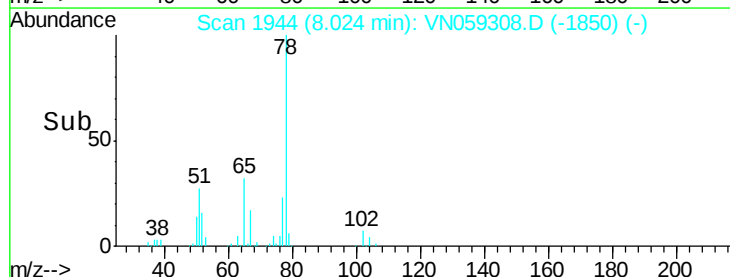
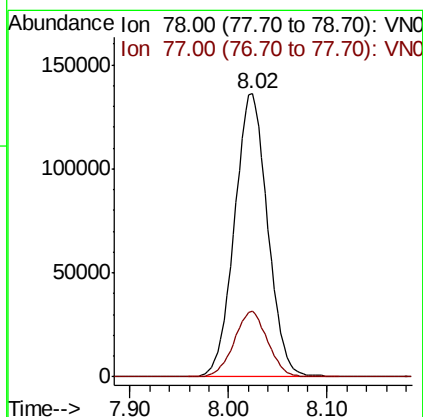
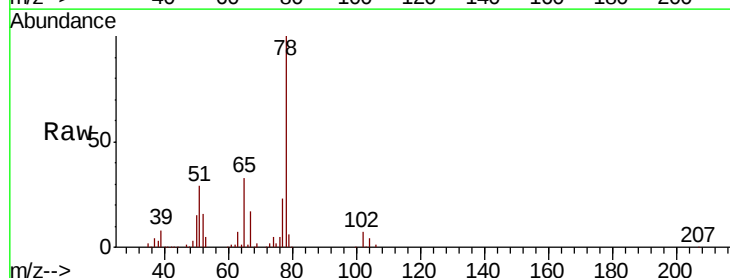
Instrument :
MSVOA_N
ClientSampled :

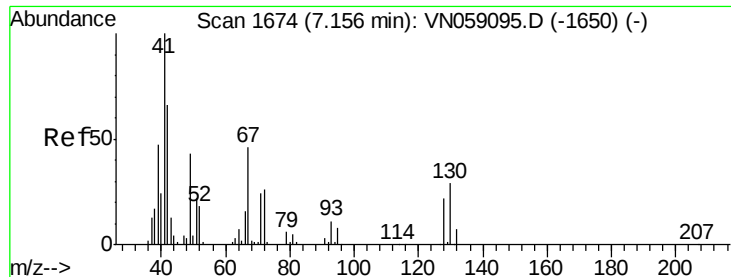
Tot Ion	83.00	Resp	129489
Ion Ratio	Lower	Upper	
83	100		
55	76.7	63.9	95.9
98	43.7	35.6	53.4



#40
Benzene
Concen: 18.790 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion	78.00	Resp	317597
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.8	28.2

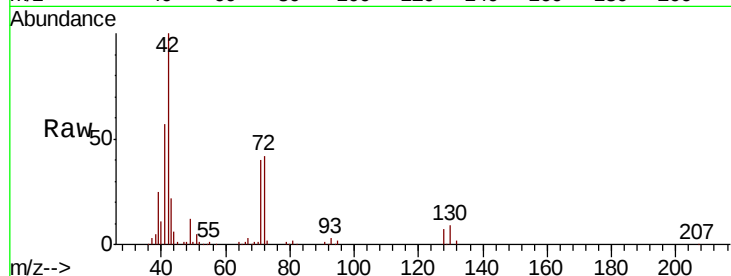




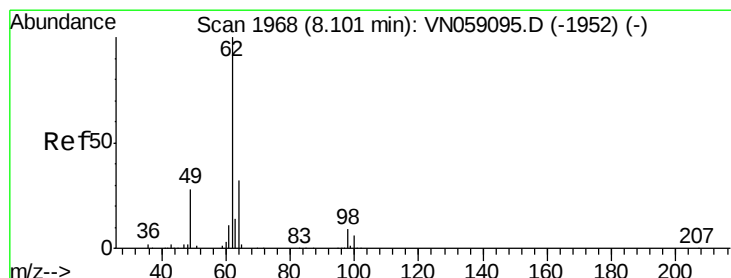
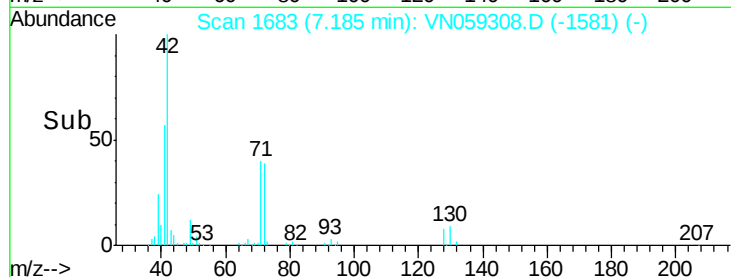
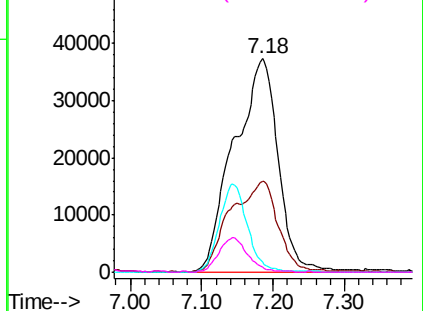
#41
Methacrylonitrile
Concen: 58.973 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	160128
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

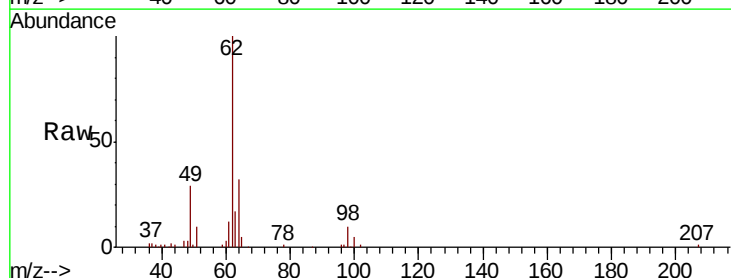


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

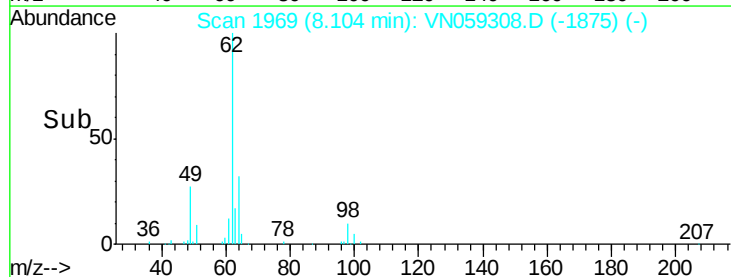
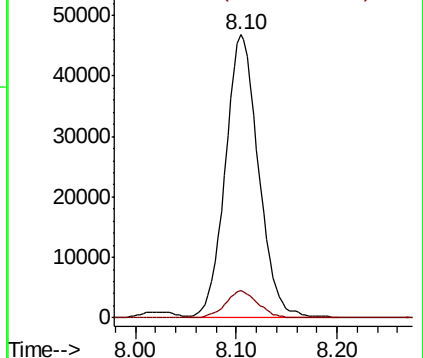


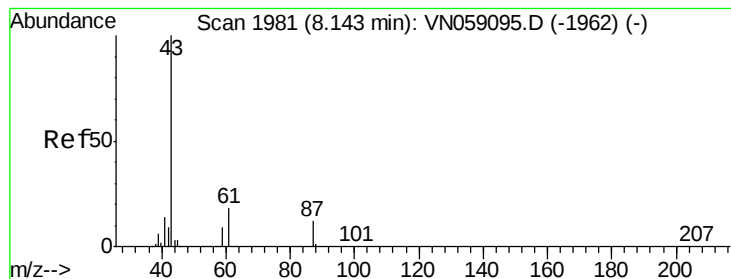
#42
1,2-Dichloroethane
Concen: 18.371 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion:	62	Resp:	106501
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 17.296 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

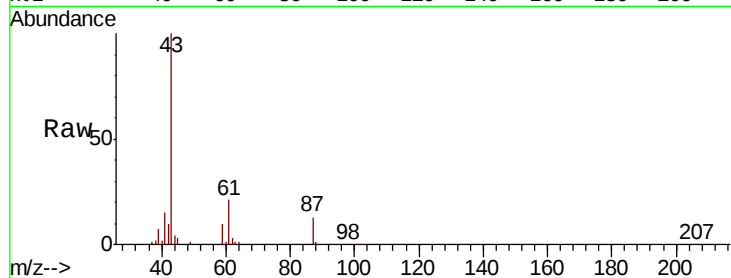
Tot Ion: 43 Resp: 172176

Ion Ratio Lower Upper

43 100

61 21.7 21.0 31.6

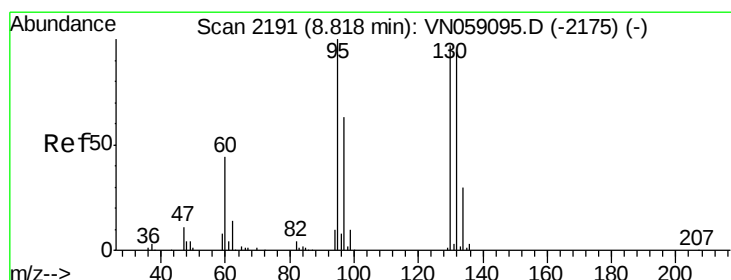
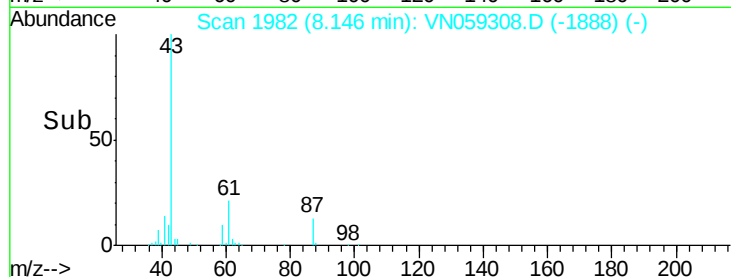
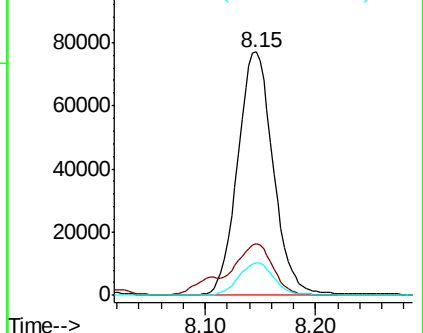
87 13.2 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059095.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059095.D (-1962) (-)



#44

Trichloroethene

Concen: 19.080 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059308.D

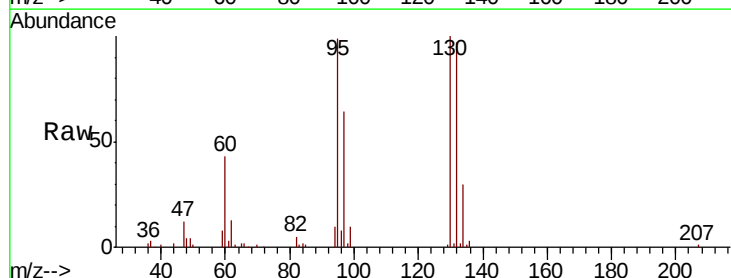
Acq: 19 Nov 2019 15:54

Tgt Ion:130 Resp: 79277

Ion Ratio Lower Upper

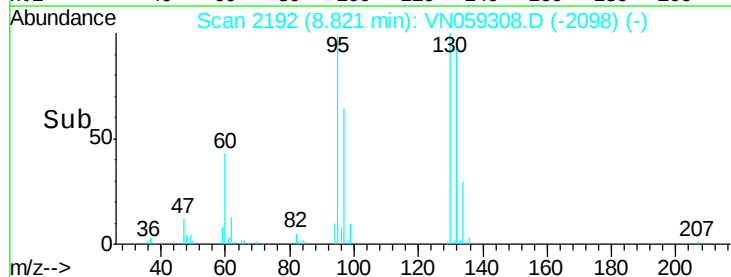
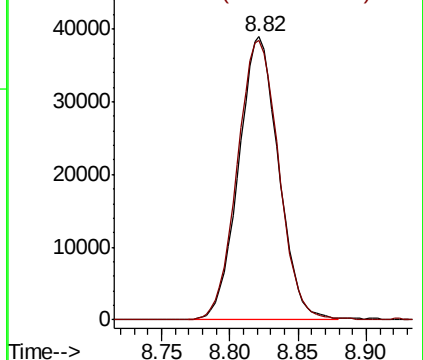
130 100

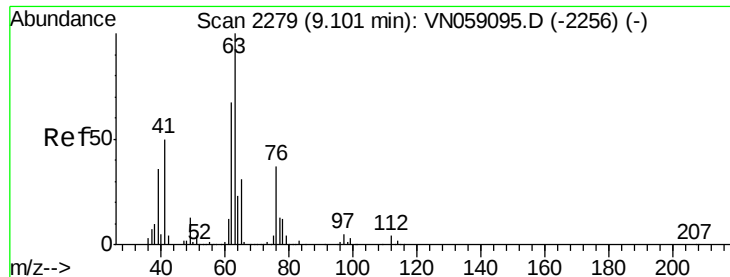
95 98.6 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059095.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059095.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 18.465 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

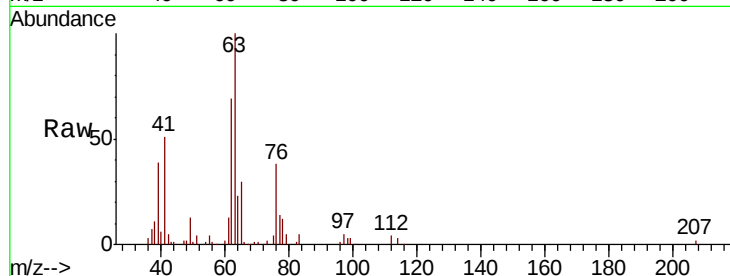
ClientSampled :

Tot Ion: 63 Resp: 84774

Ion Ratio Lower Upper

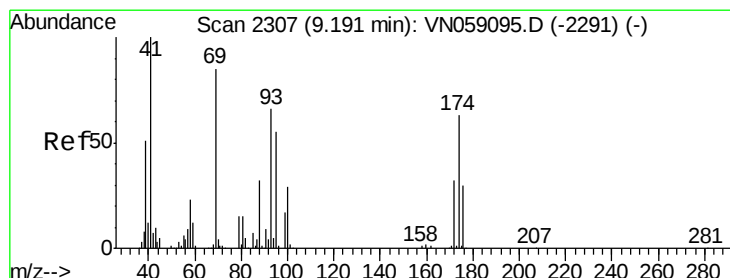
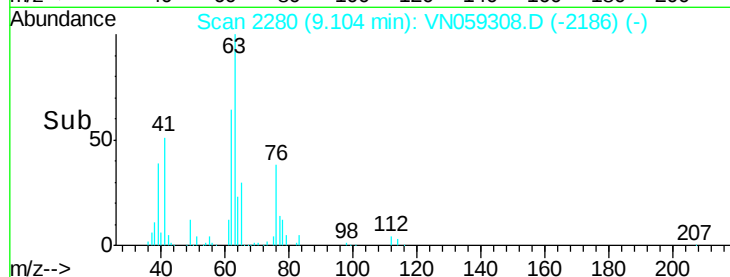
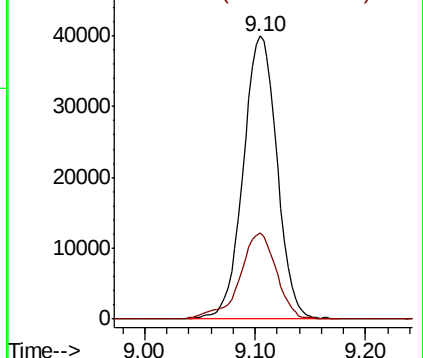
63 100

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: 18.405 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

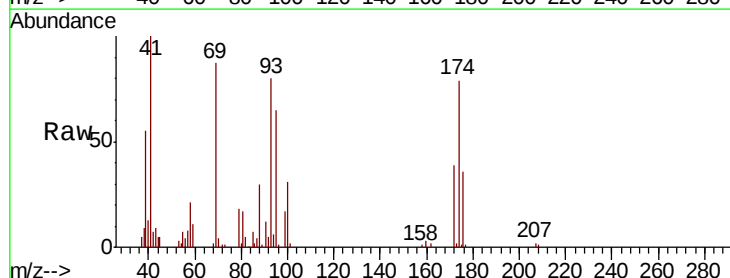
Tgt Ion: 93 Resp: 52654

Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

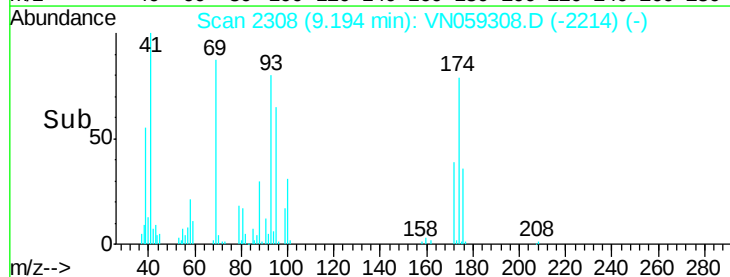
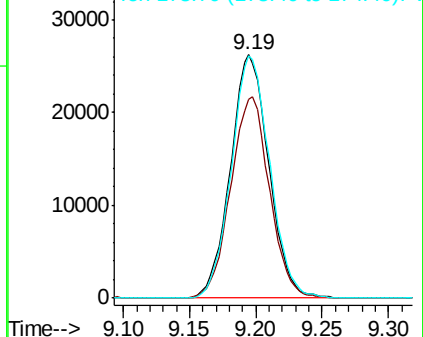
174 99.9 78.2 117.2

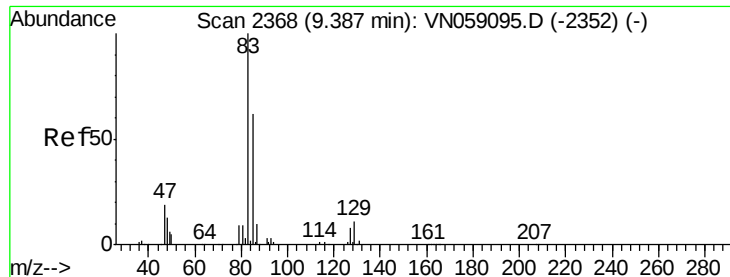


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

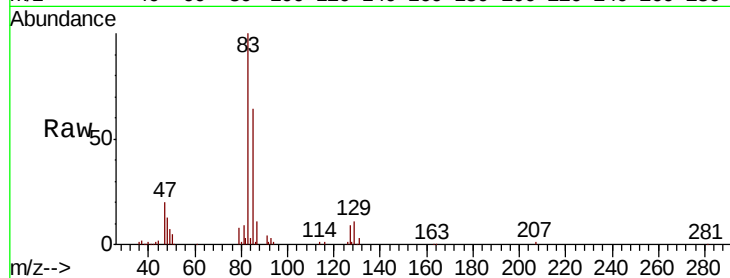




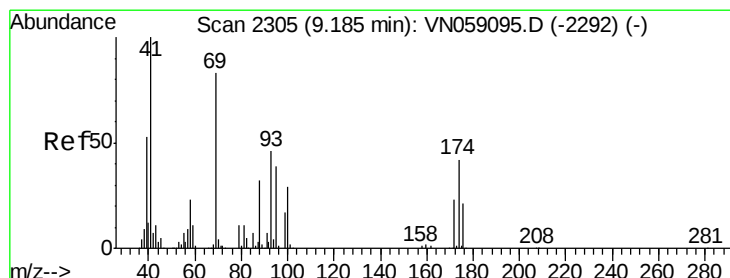
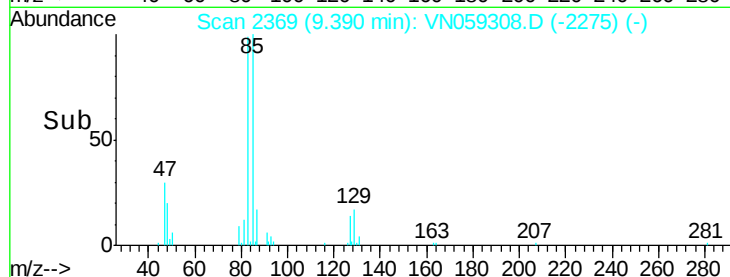
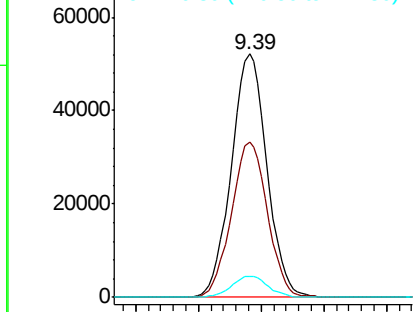
#47
 Bromodichloromethane
 Concen: 17.974 ug/l
 RT: 9.39 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 83 Resp: 102682
 Ion Ratio Lower Upper
 83 100
 85 64.0 49.7 74.5
 127 8.7 6.4 9.6

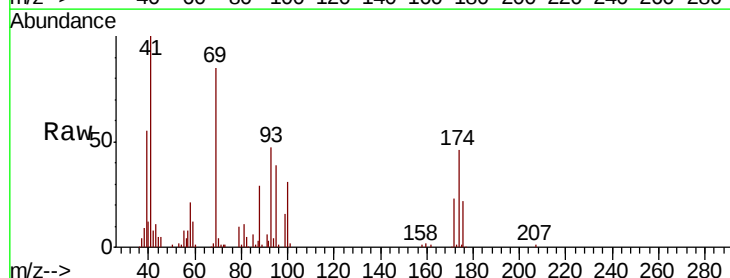


Abundance Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 126.80 (126.50 to 127.50): V

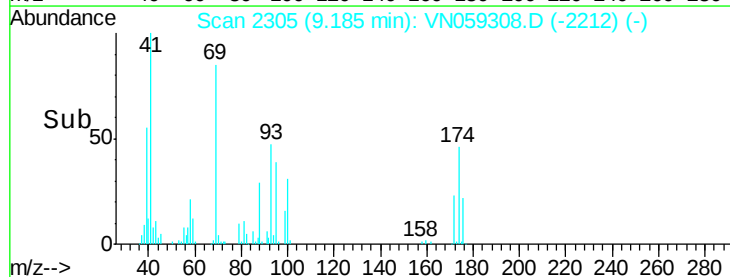
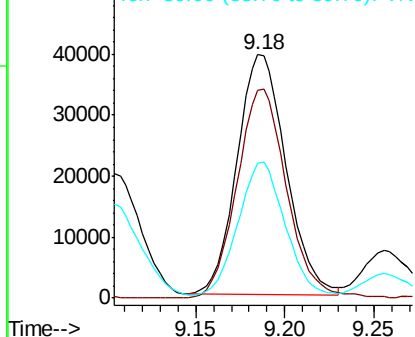


#48
 Methyl methacrylate
 Concen: 16.983 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Tgt Ion: 41 Resp: 75620
 Ion Ratio Lower Upper
 41 100
 69 88.6 67.3 100.9
 39 53.0 43.3 64.9



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

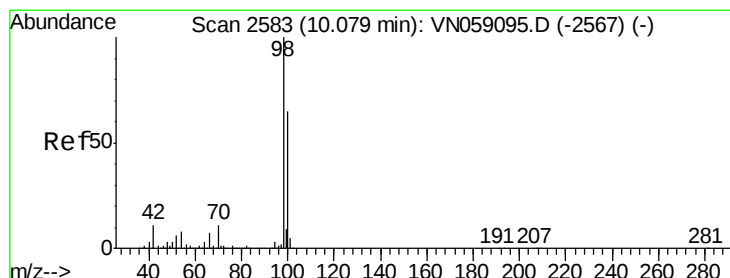
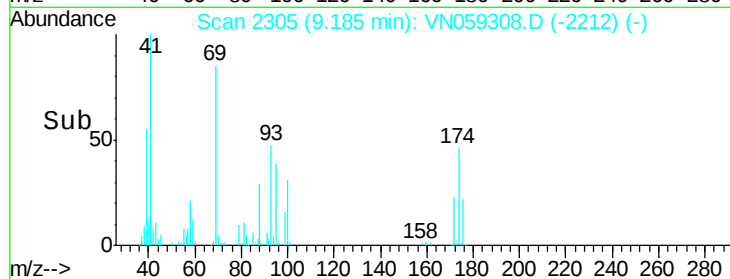
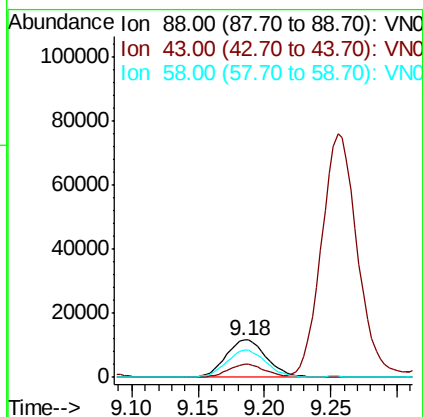
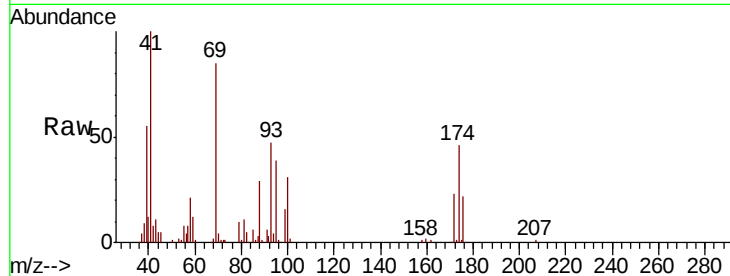




#49
 1,4-Dioxane
 Concen: 315.812 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

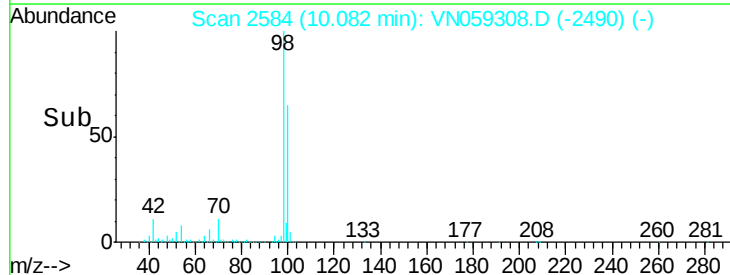
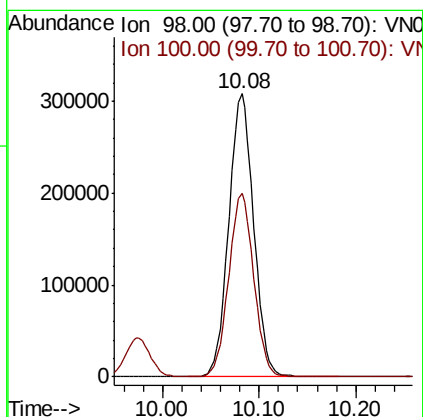
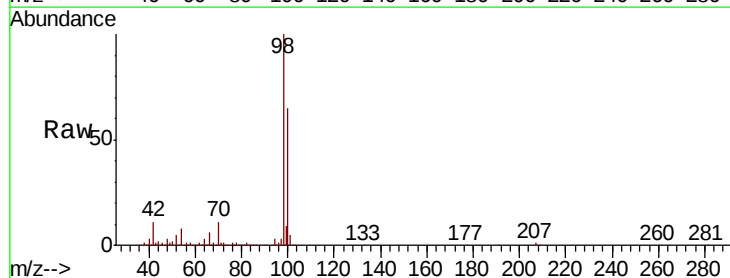
Instrument :
 MSVOA_N
 ClientSampleId :

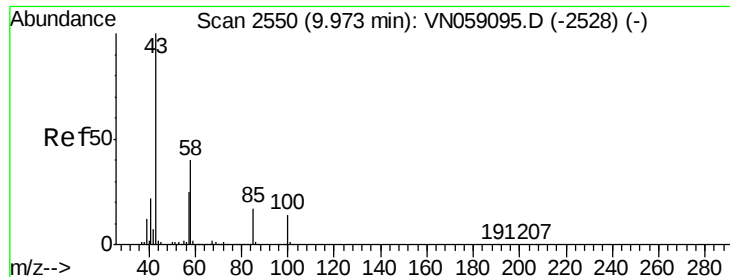
Tot Ion: 88 Resp: 24991
 Ion Ratio Lower Upper
 88 100
 43 31.6 26.3 39.5
 58 71.5 60.6 90.8



#50
 Toluene-d8
 Concen: 38.940 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Tgt Ion: 98 Resp: 549963
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 94.952 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

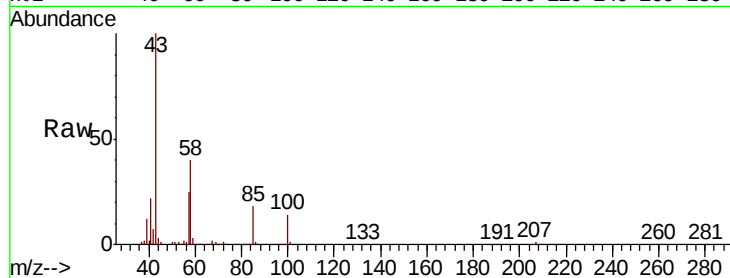
ClientSampleId :

Tot Ion: 43 Resp: 534835

Ion Ratio Lower Upper

43 100

58 39.6 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

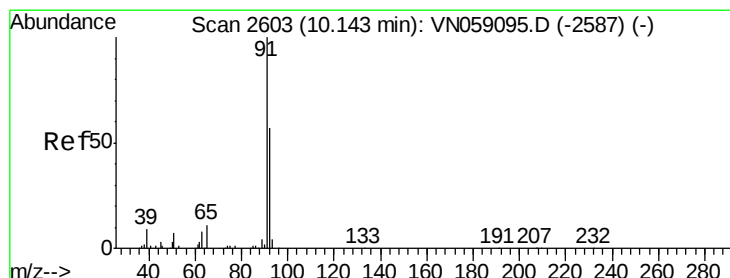
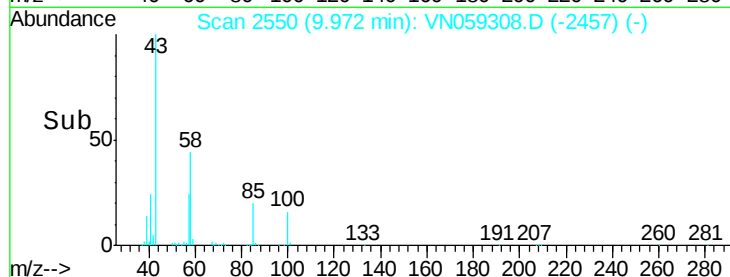
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.050 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059308.D

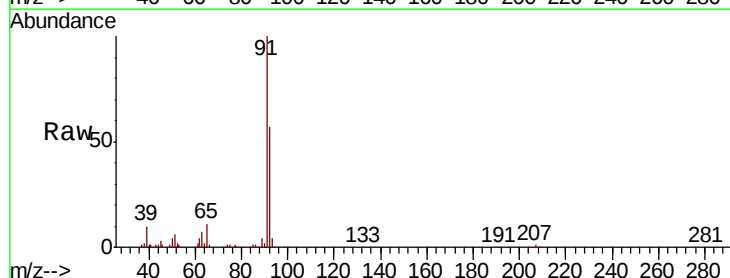
Acq: 19 Nov 2019 15:54

Tgt Ion: 92 Resp: 192995

Ion Ratio Lower Upper

92 100

91 173.6 139.5 209.3



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

200000

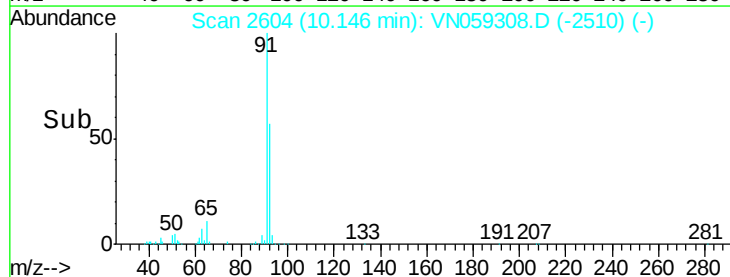
150000

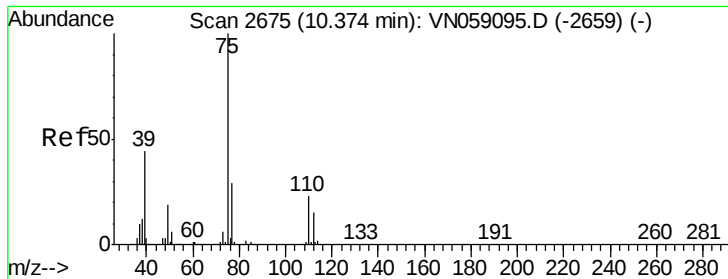
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.734 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

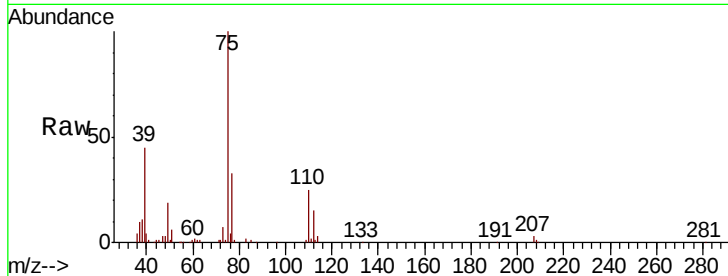
ClientSampleId :

Tot Ion: 75 Resp: 117046

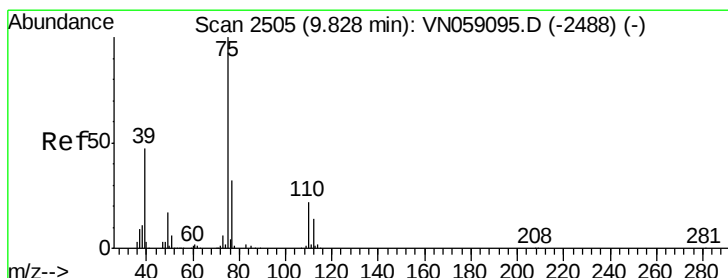
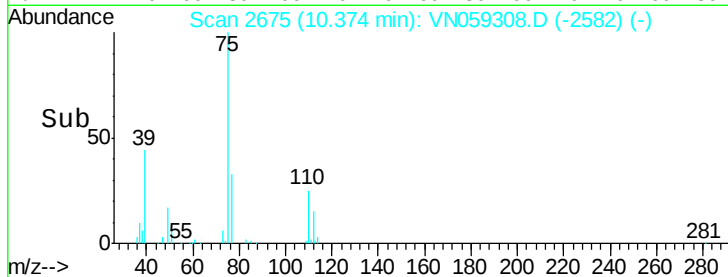
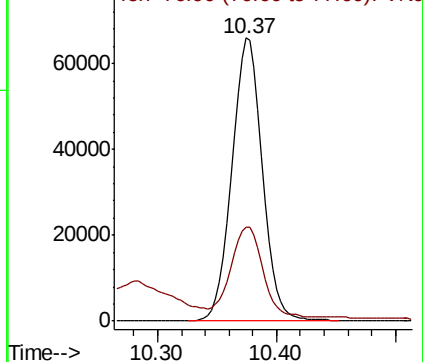
Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 18.378 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

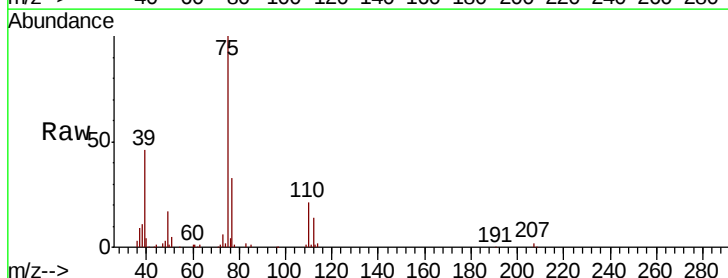
Tgt Ion: 75 Resp: 130474

Ion Ratio Lower Upper

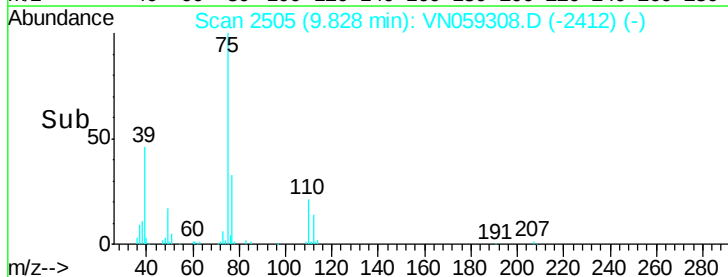
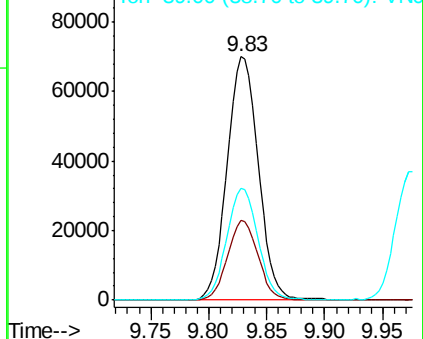
75 100

77 32.8 25.5 38.3

39 45.9 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO

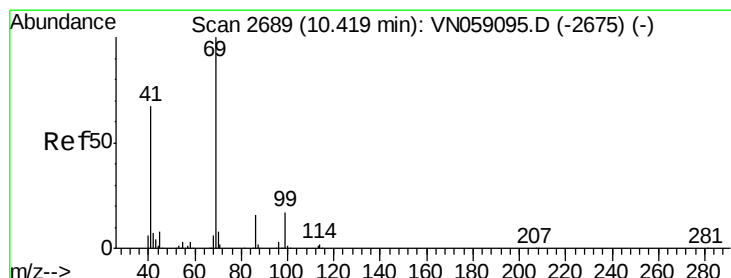
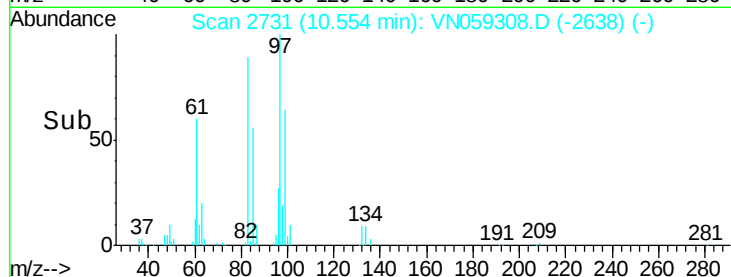
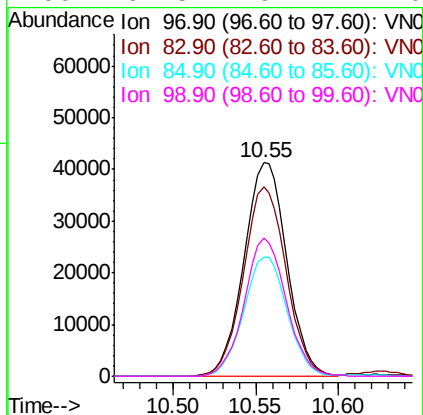
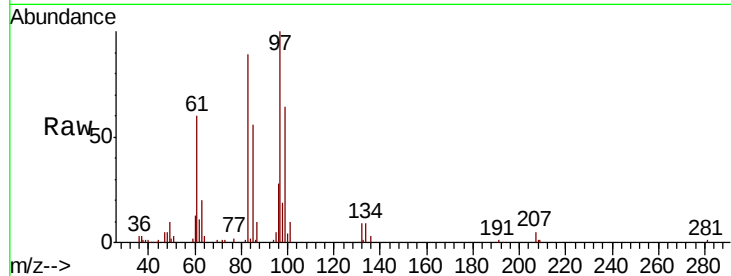




#55
 1,1,2-Trichloroethane
 Concen: 18.161 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

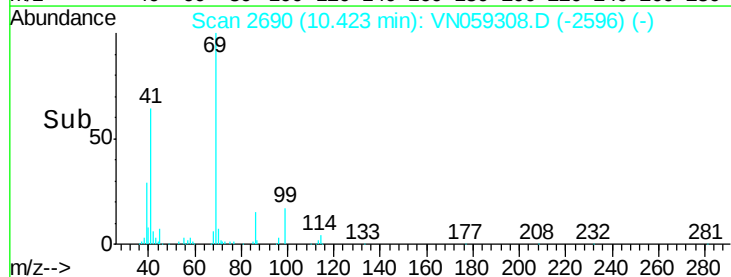
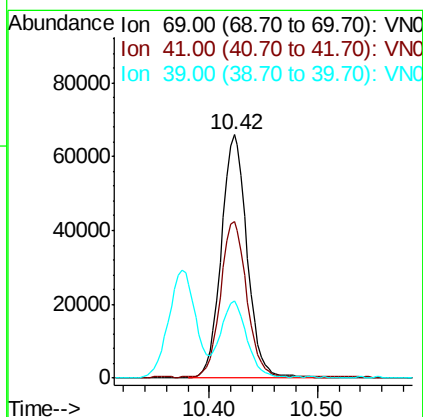
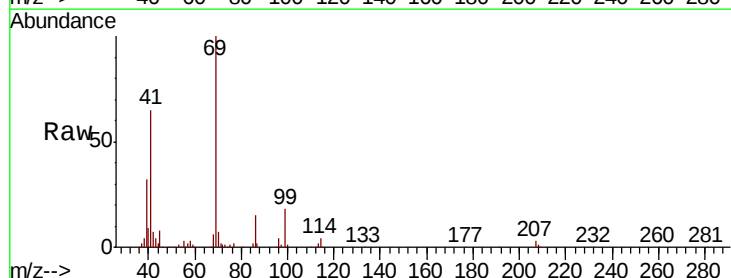
Instrument :
 MSVOA_N
 ClientSampleId :

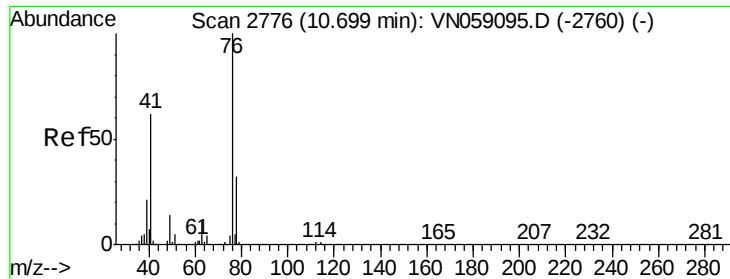
Tot Ion:	97	Resp:	74463
Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.0	106.4
85	56.0	45.8	68.8
99	64.5	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 17.352 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Tgt Ion:	69	Resp:	109974
Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.6	80.4
39	31.6	26.2	39.4





#57

1,3-Dichloropropane

Concen: 18.545 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

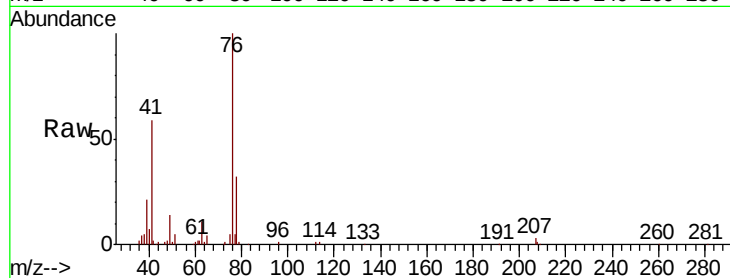
ClientSampled :

Tot Ion: 76 Resp: 130868

Ion Ratio Lower Upper

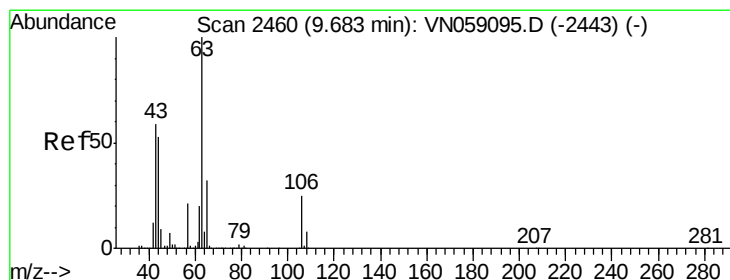
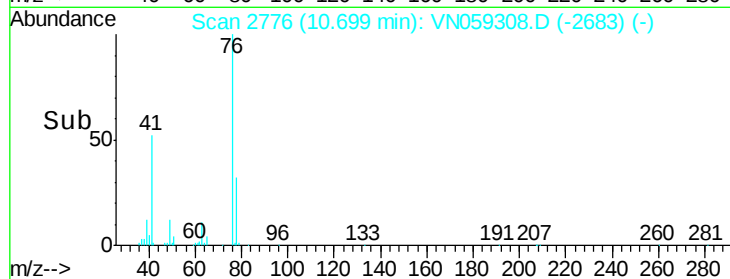
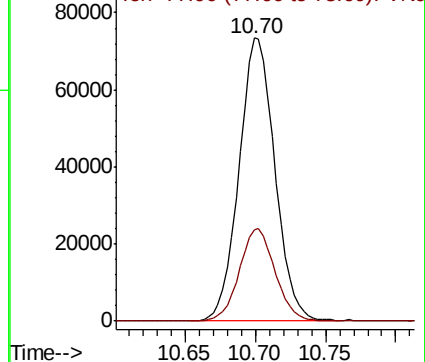
76 100

78 32.9 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 64.745 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059308.D

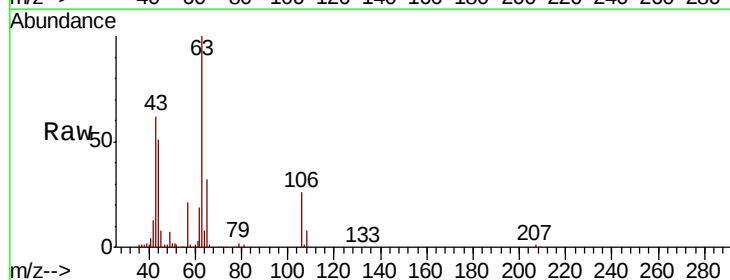
Acq: 19 Nov 2019 15:54

Tgt Ion: 63 Resp: 147734

Ion Ratio Lower Upper

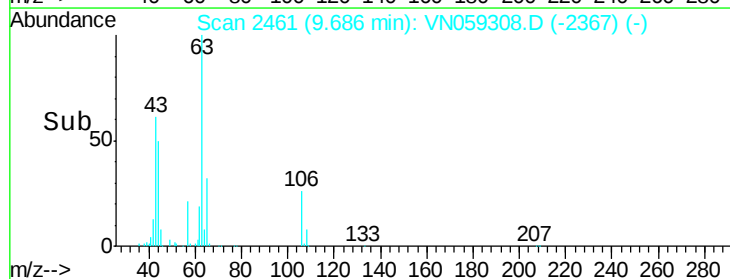
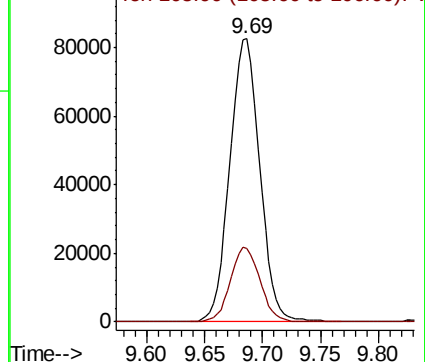
63 100

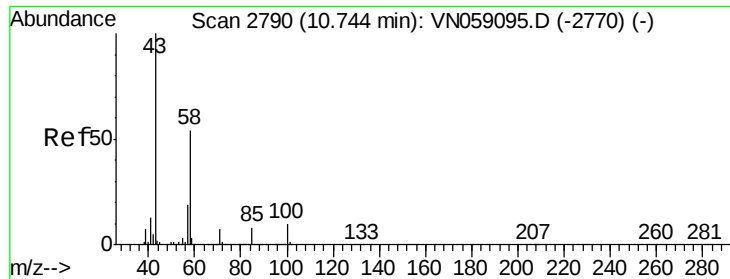
106 25.8 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

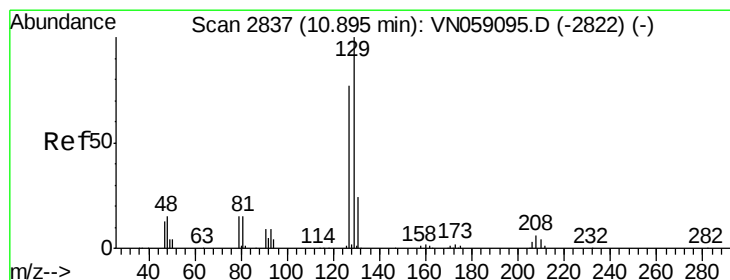
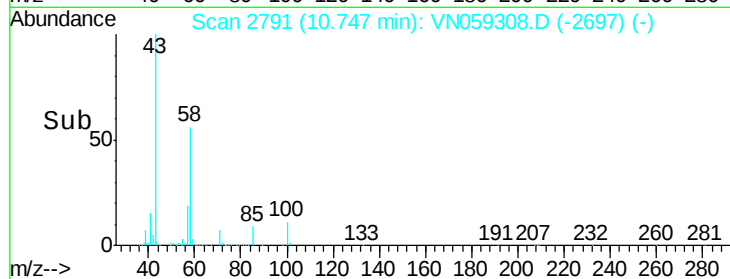
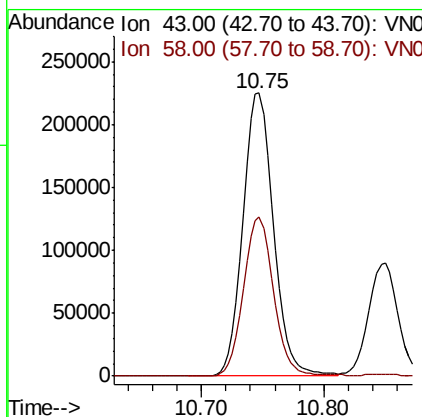
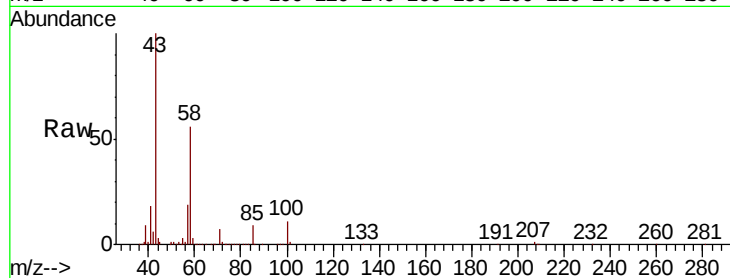




#59
2-Hexanone
Concen: 89.617 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

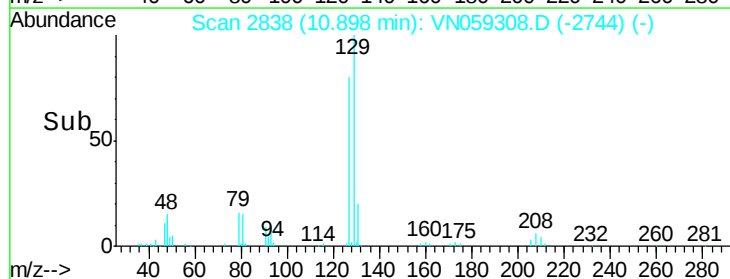
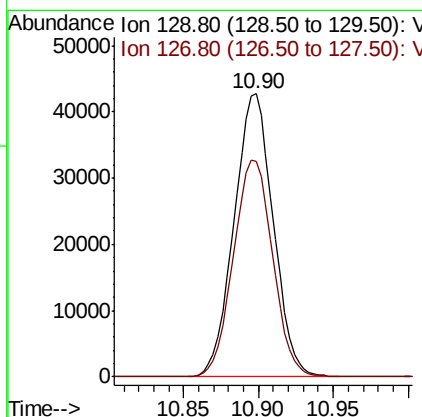
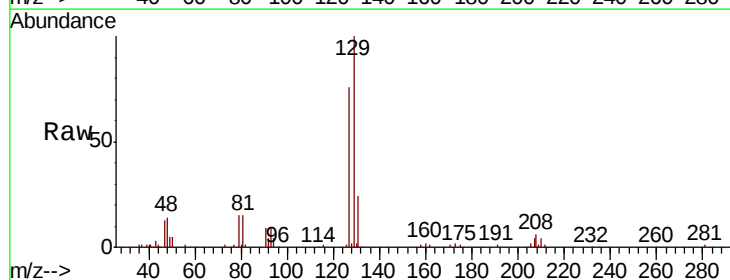
Instrument :
MSVOA_N
ClientSampled :

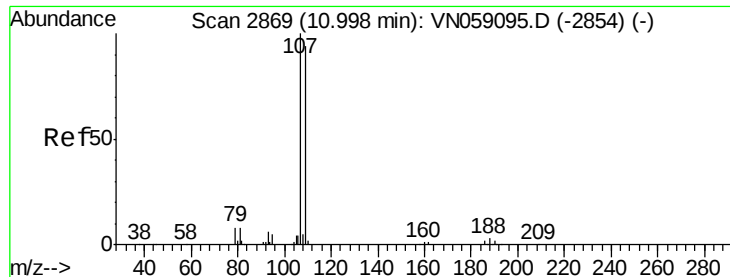
Tot Ion: 43 Resp: 387447
Ion Ratio Lower Upper
43 100
58 55.3 27.3 81.8



#60
Dibromochloromethane
Concen: 17.956 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion: 129 Resp: 77839
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

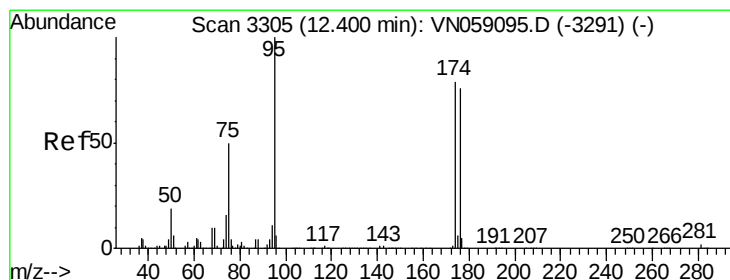
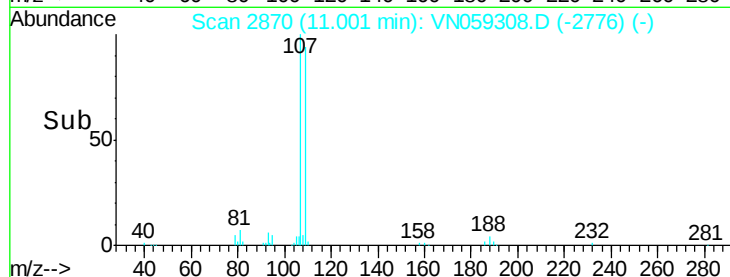
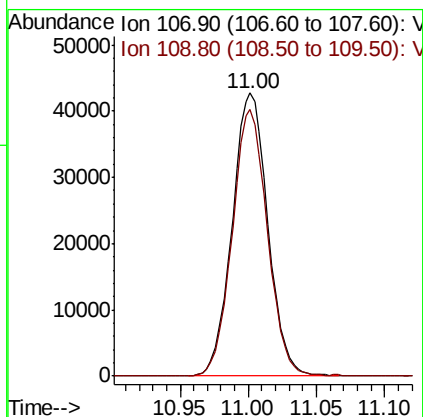
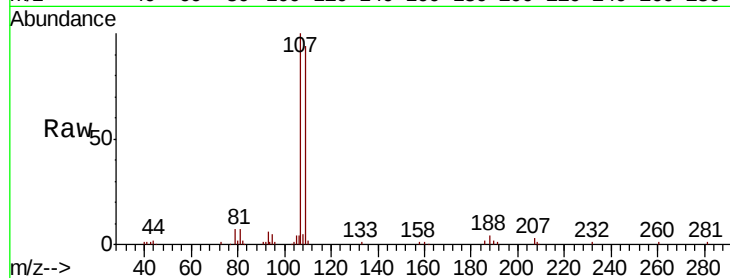




#61
 1,2-Dibromoethane
 Concen: 18.632 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

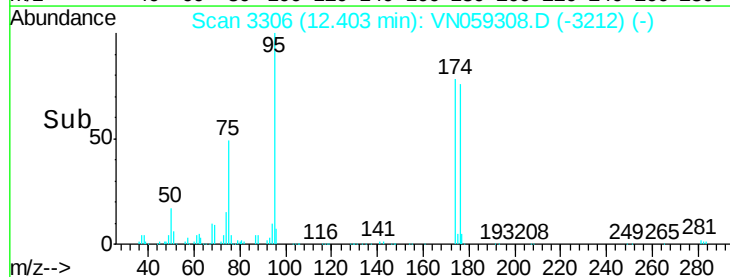
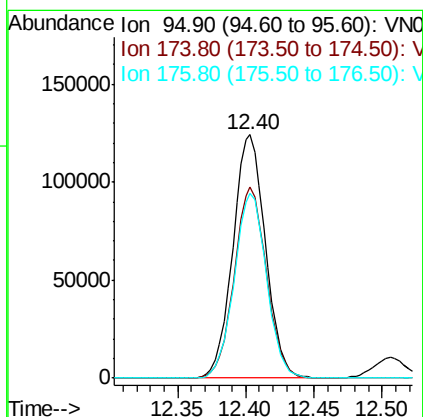
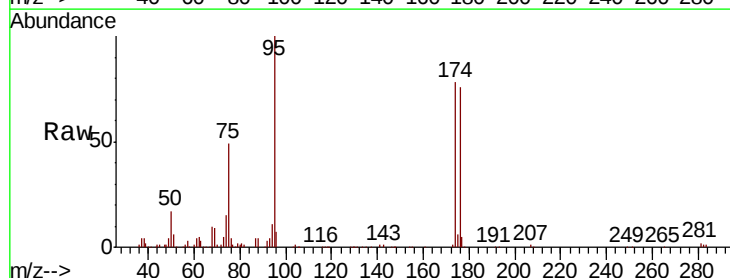
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 77334
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 40.396 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Tgt Ion: 95 Resp: 205710
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 158.2
 176 75.2 0.0 151.8

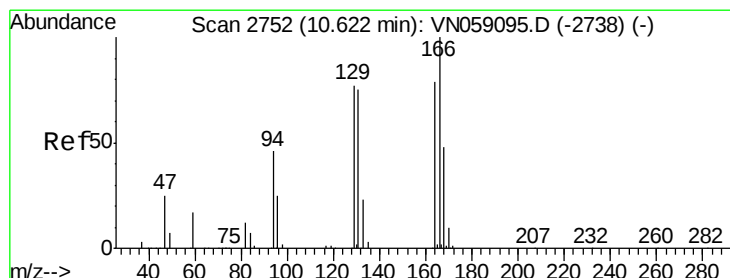
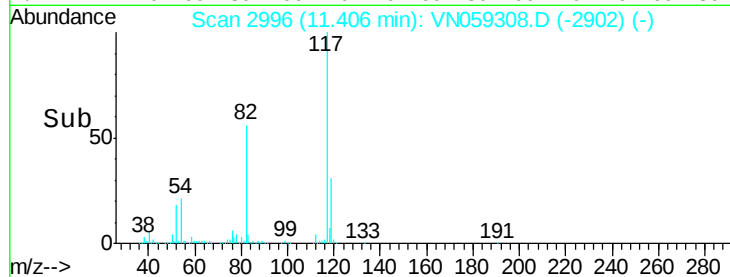
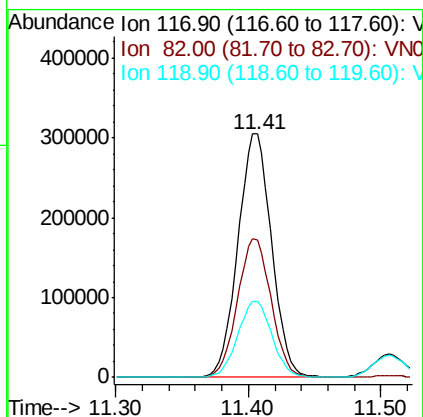
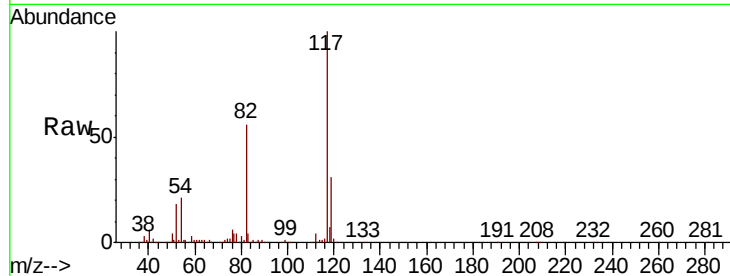




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

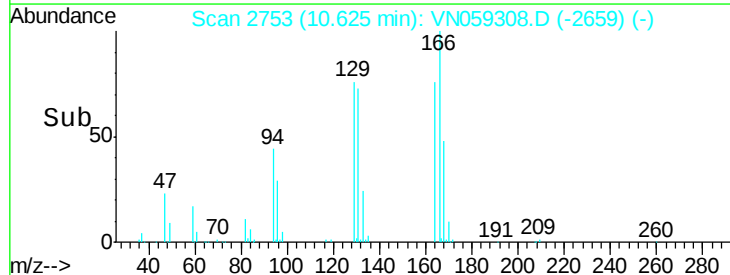
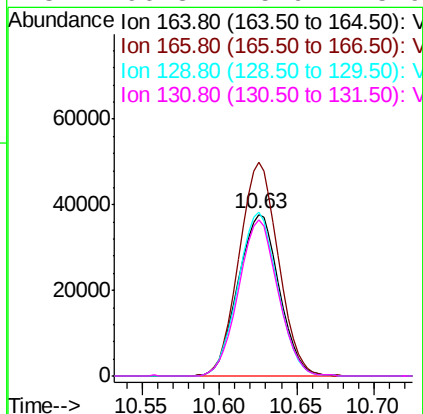
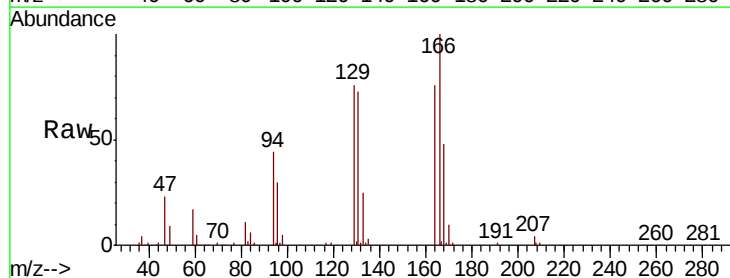
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 537201
Ion Ratio Lower Upper
117 100
82 56.3 45.8 68.8
119 31.4 25.8 38.6



#64
Tetrachloroethene
Concen: 19.157 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion:164 Resp: 69978
Ion Ratio Lower Upper
164 100
166 132.1 101.5 152.3
129 101.0 78.3 117.5
131 96.3 75.9 113.9

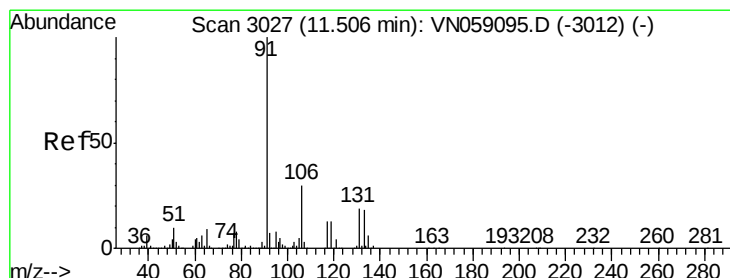
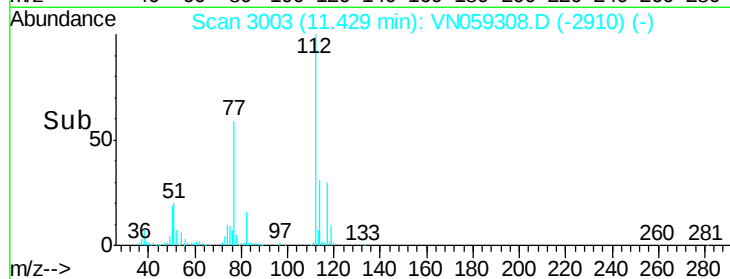
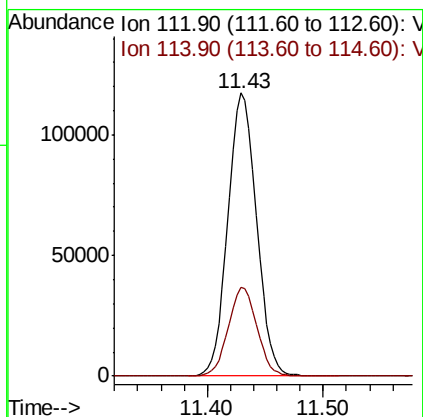
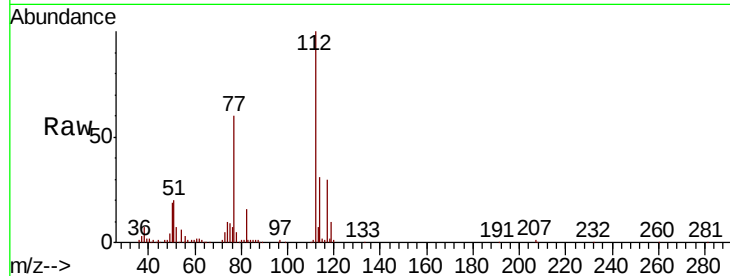




#65
Chlorobenzene
Concen: 19.136 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

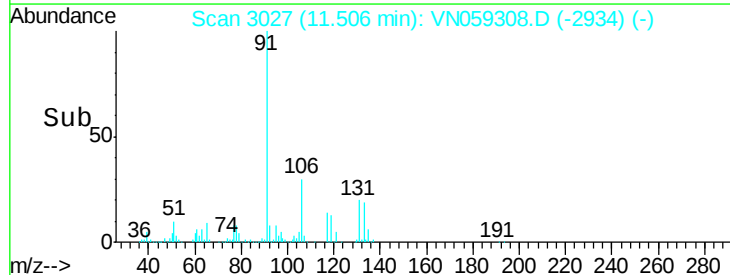
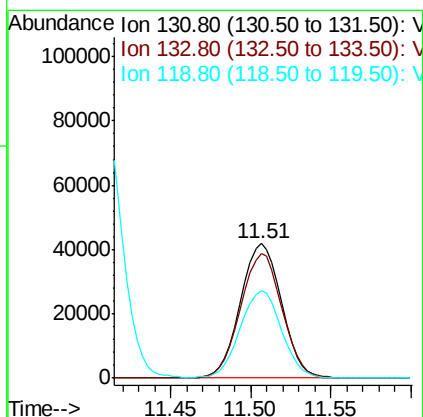
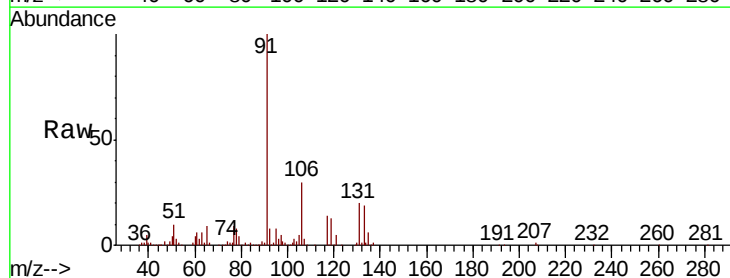
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 200396
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.674 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion:131 Resp: 73359
Ion Ratio Lower Upper
131 100
133 94.0 47.4 142.3
119 65.8 33.2 99.6





#67

Ethyl Benzene

Concen: 19.304 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

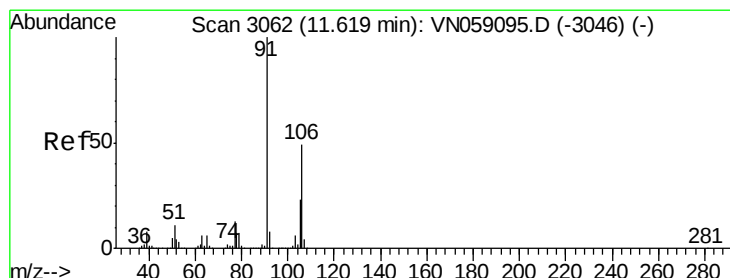
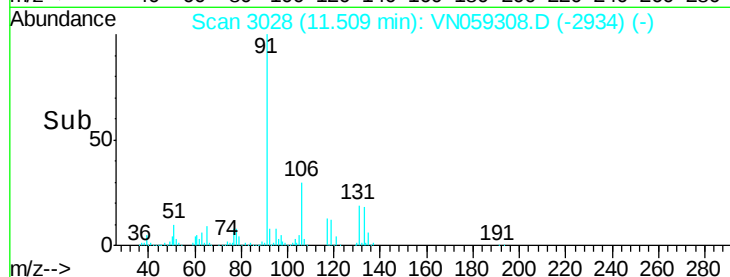
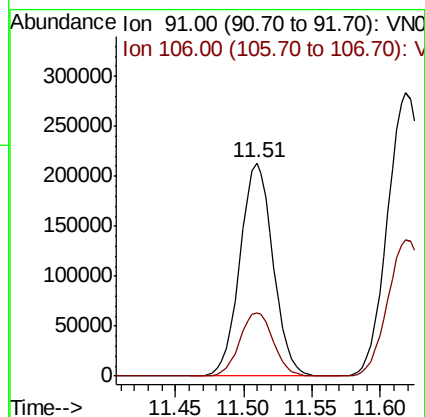
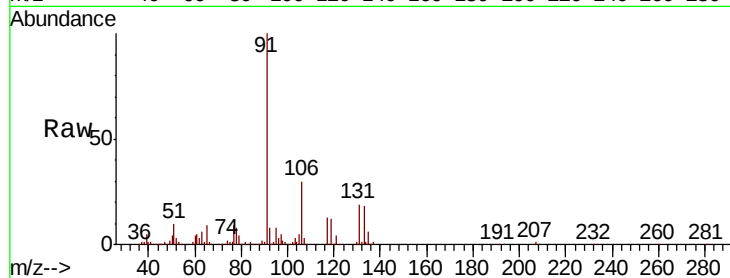
ClientSampled :

Tot Ion: 91 Resp: 358676

Ion Ratio Lower Upper

91 100

106 29.9 24.1 36.1



#68

m/p-Xylenes

Concen: 38.032 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059308.D

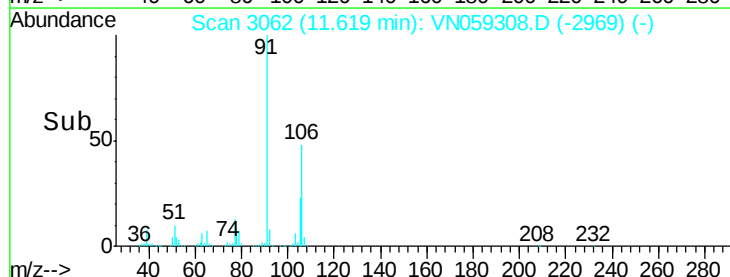
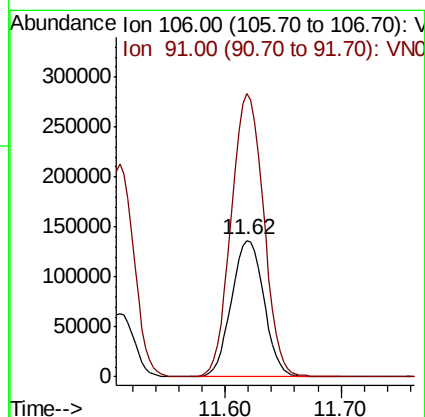
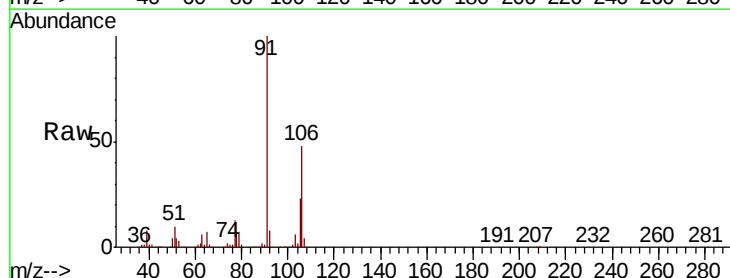
Acq: 19 Nov 2019 15:54

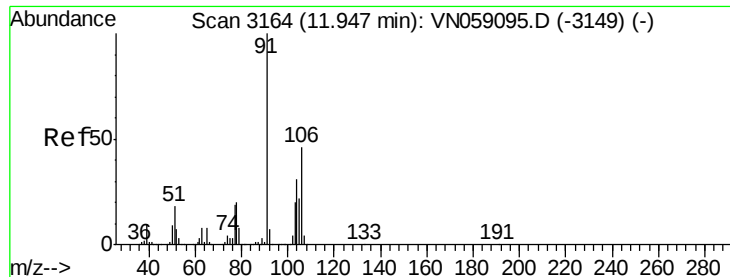
Tgt Ion: 106 Resp: 264693

Ion Ratio Lower Upper

106 100

91 206.5 164.7 247.1

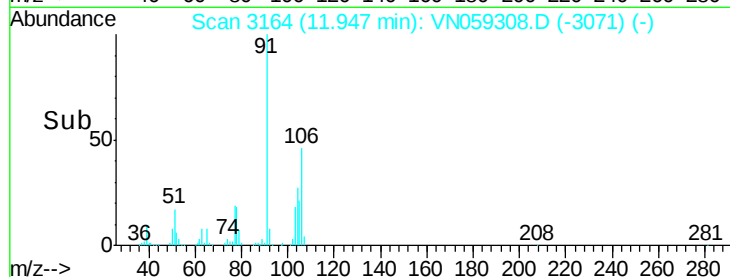
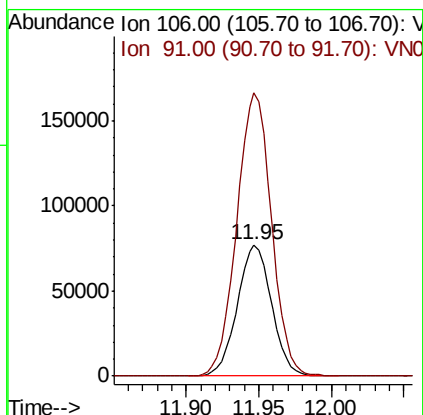
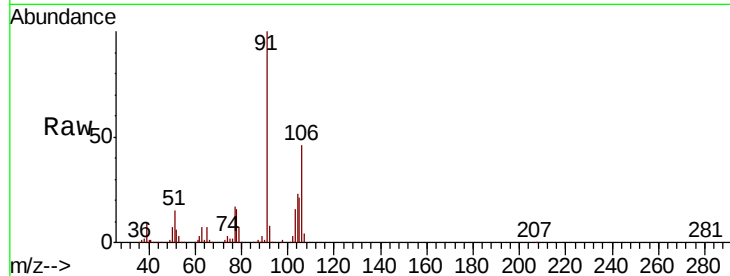




#69
o-Xylene
Concen: 18.753 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

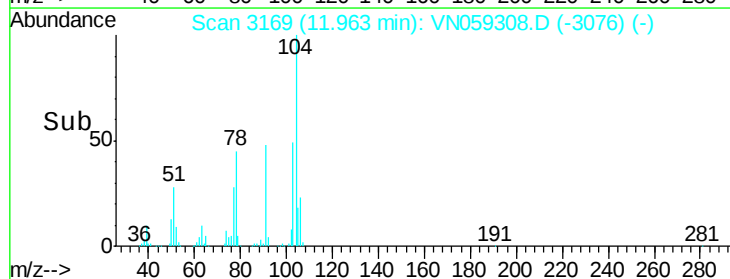
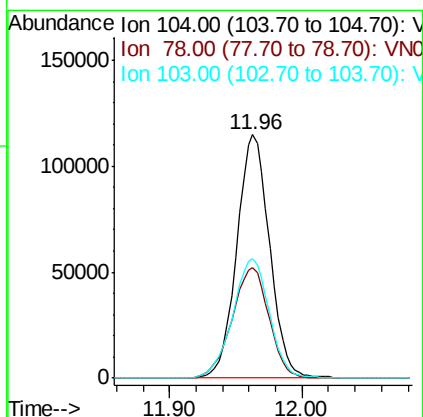
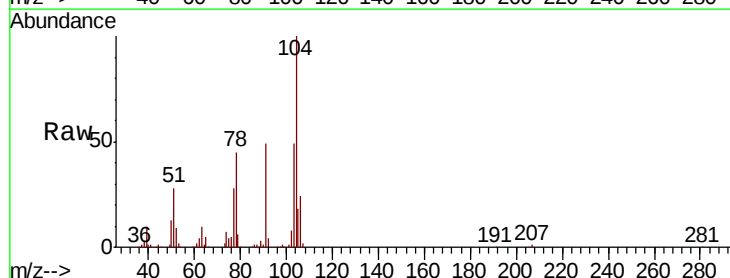
Instrument :
MSVOA_N
ClientSampleId :

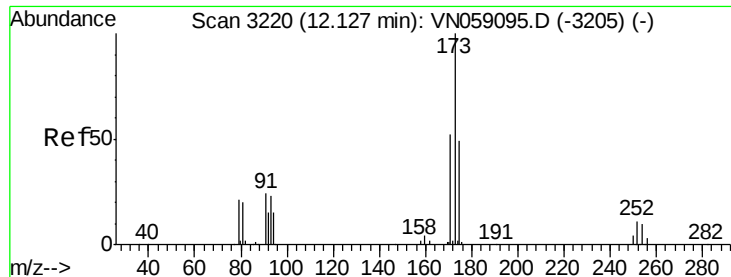
Tot Ion:106 Resp: 126130
Ion Ratio Lower Upper
106 100
91 219.1 110.1 330.3



#70
Styrene
Concen: 18.616 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion:104 Resp: 196919
Ion Ratio Lower Upper
104 100
78 51.2 41.2 61.8
103 54.9 43.8 65.6





#71

Bromoform

Concen: 17.904 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

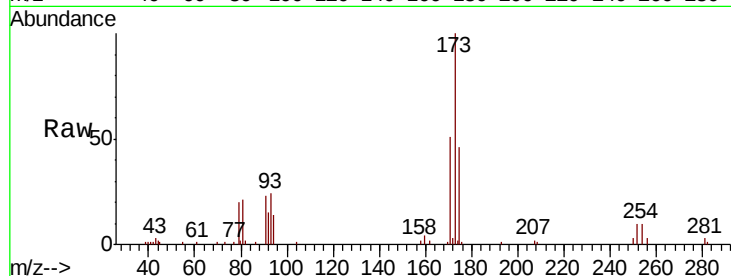
Tot Ion:173 Resp: 54708

Ion Ratio Lower Upper

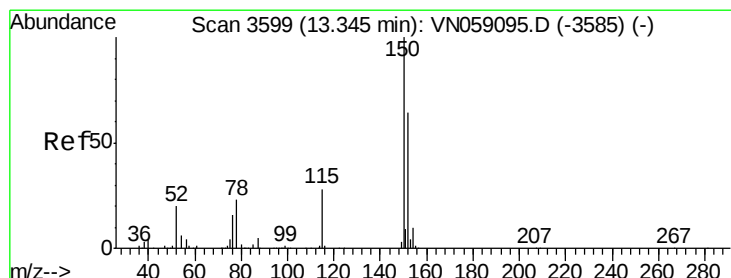
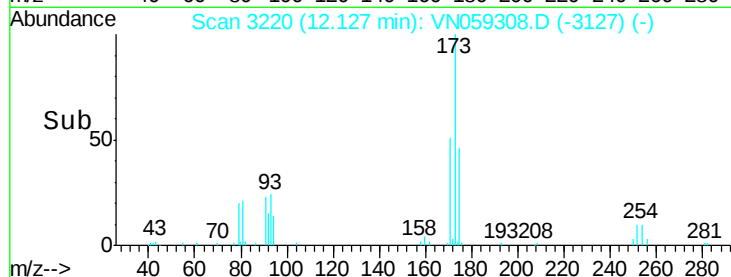
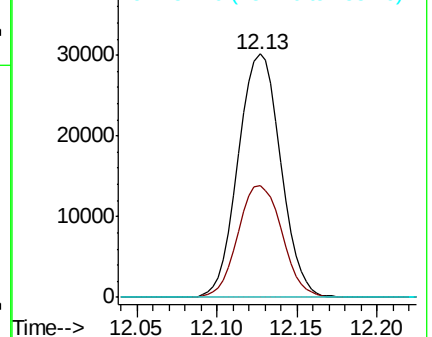
173 100

175 47.6 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: VN059308.D

Acq: 19 Nov 2019 15:54

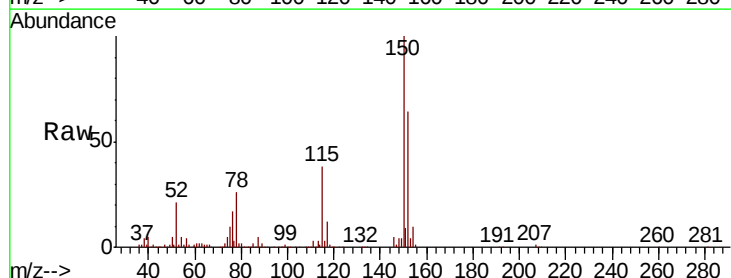
Tgt Ion:152 Resp: 244445

Ion Ratio Lower Upper

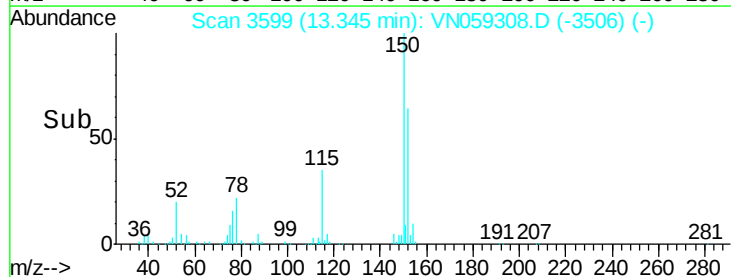
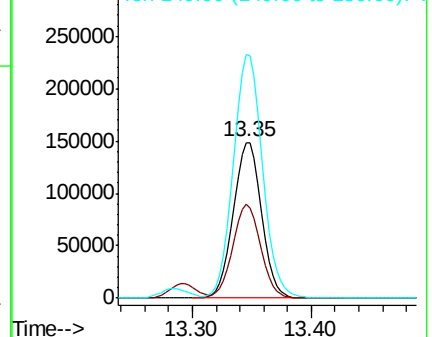
152 100

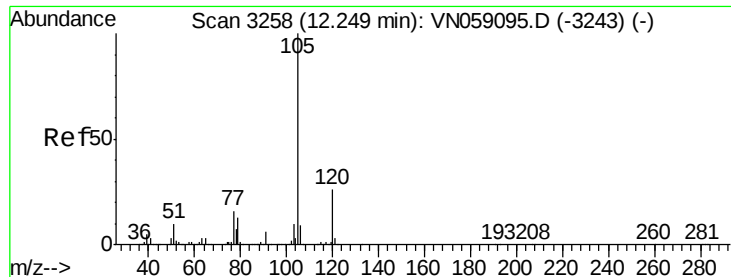
115 59.6 29.4 88.2

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: 19.085 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

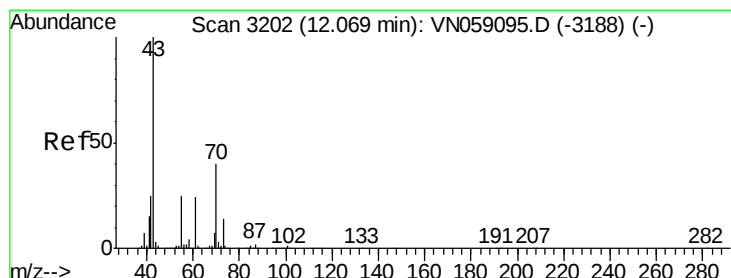
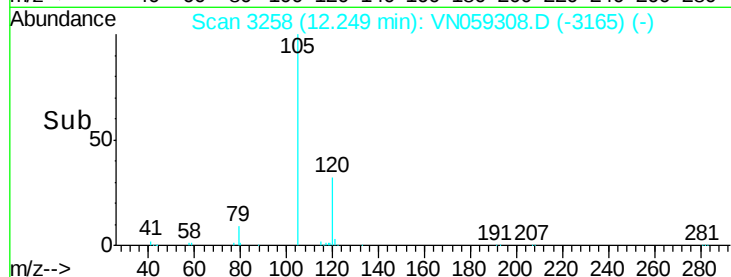
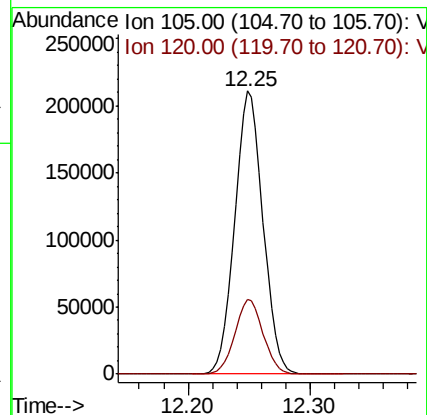
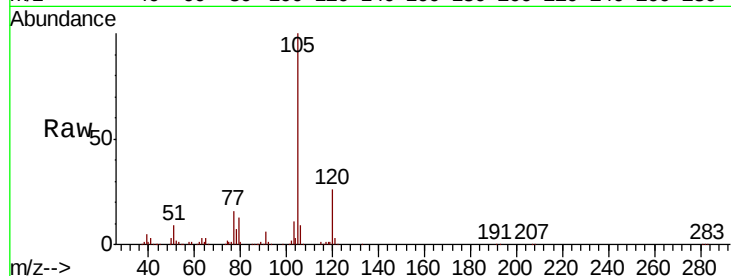
ClientSampleId :

Tot Ion: 105 Resp: 339347

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3



#74

N-ethyl acetate

Concen: 17.065 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Tgt Ion: 43 Resp: 128577

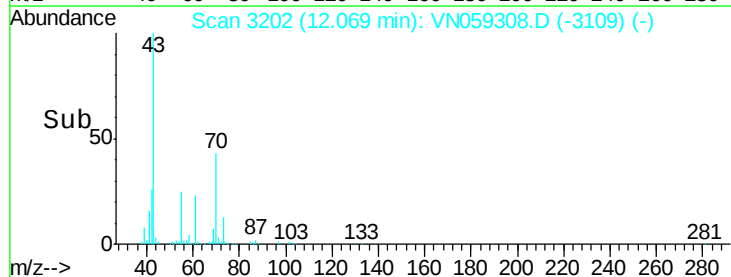
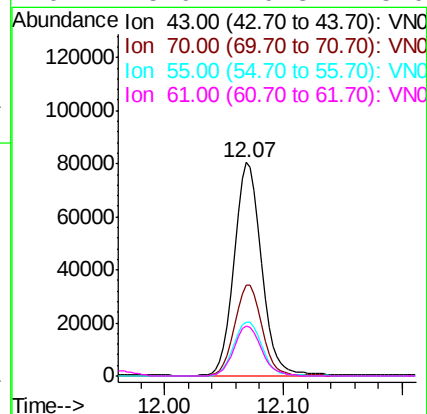
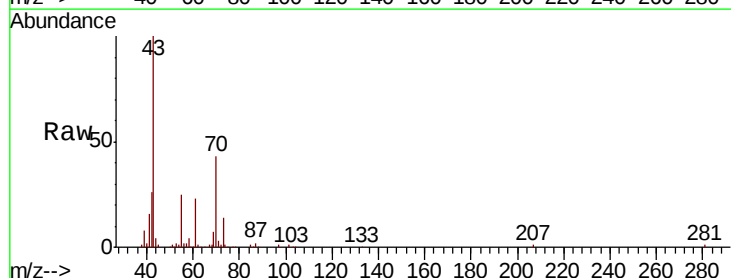
Ion Ratio Lower Upper

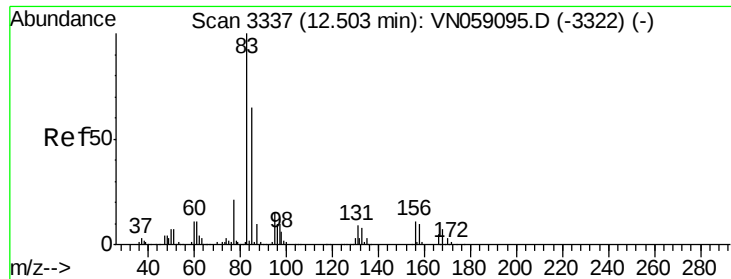
43 100

70 42.8 32.2 48.4

55 26.5 20.4 30.6

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.357 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

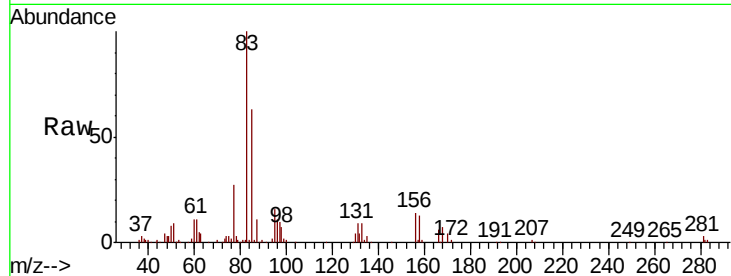
Tot Ion: 83 Resp: 111154

Ion Ratio Lower Upper

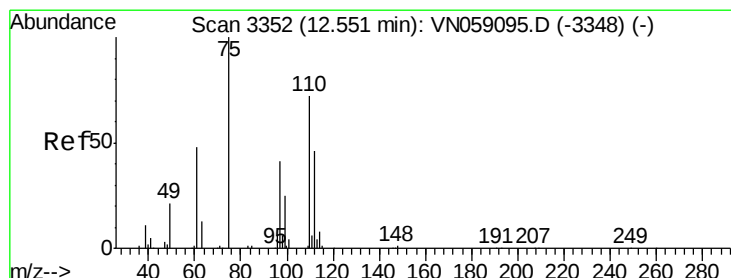
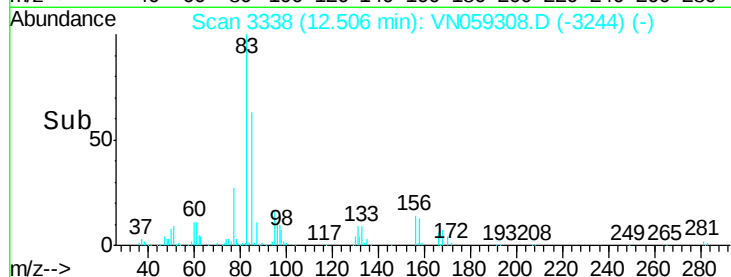
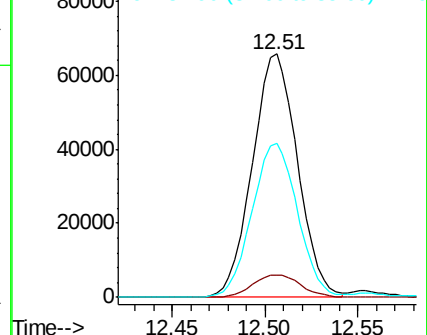
83 100

131 9.8 4.9 14.6

85 63.7 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 25.786 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059308.D

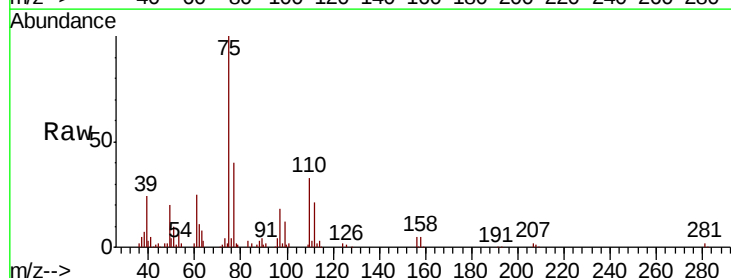
Acq: 19 Nov 2019 15:54

Tgt Ion: 75 Resp: 143507

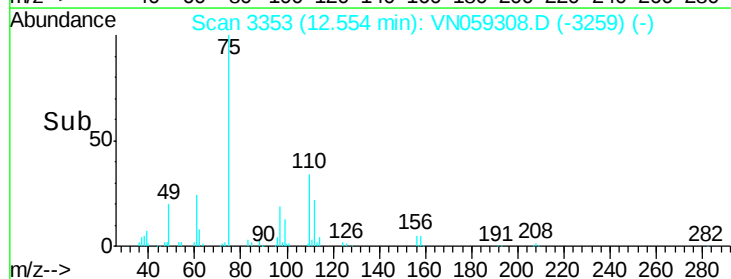
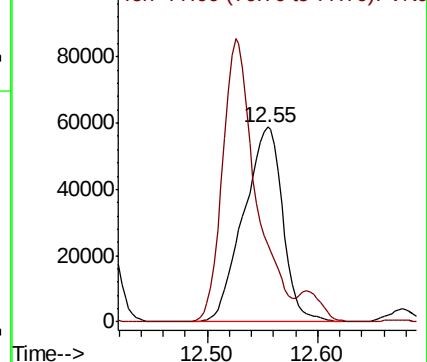
Ion Ratio Lower Upper

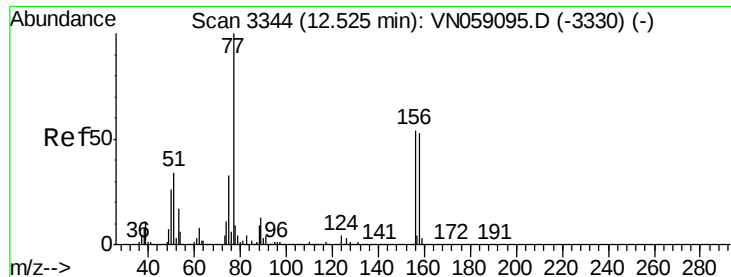
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 18.162 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

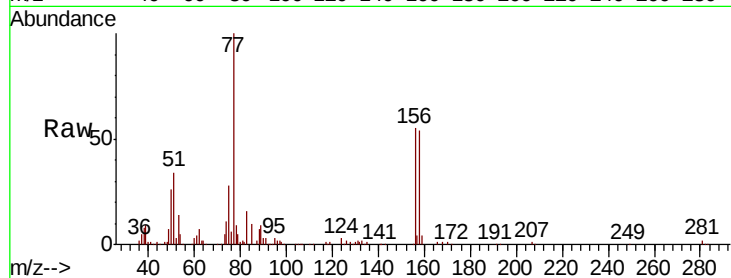
Tot Ion:156 Resp: 81138

Ion Ratio Lower Upper

156 100

77 220.9 112.8 338.3

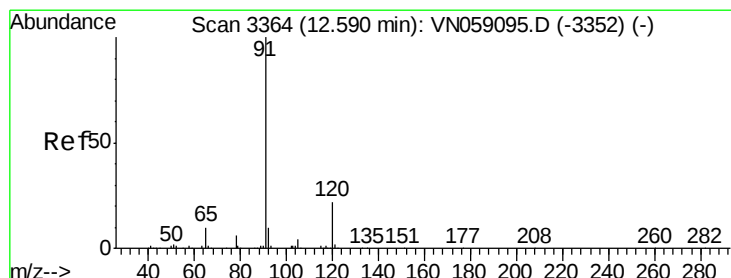
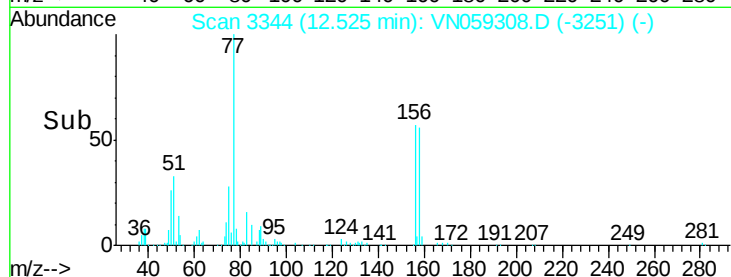
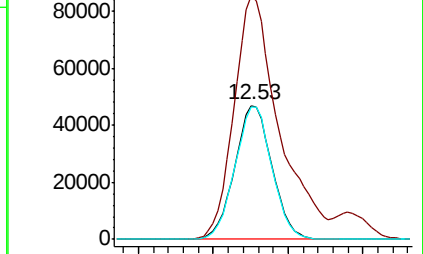
158 98.3 48.4 145.3



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: 19.038 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059308.D

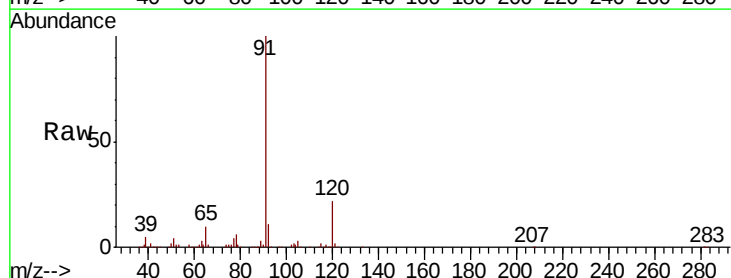
Acq: 19 Nov 2019 15:54

Tgt Ion: 91 Resp: 387596

Ion Ratio Lower Upper

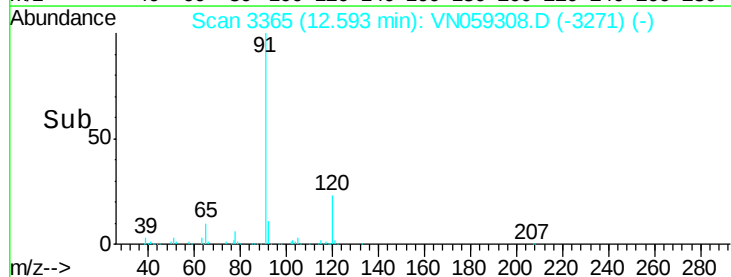
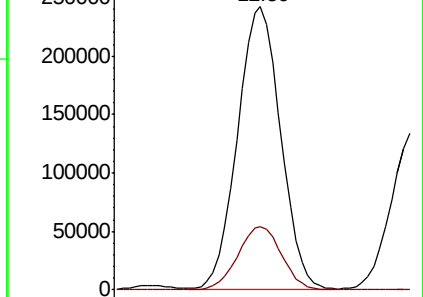
91 100

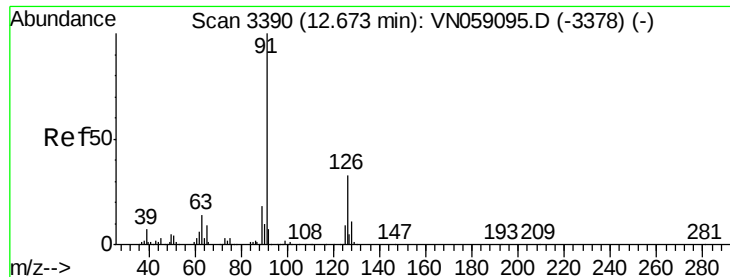
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.314 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

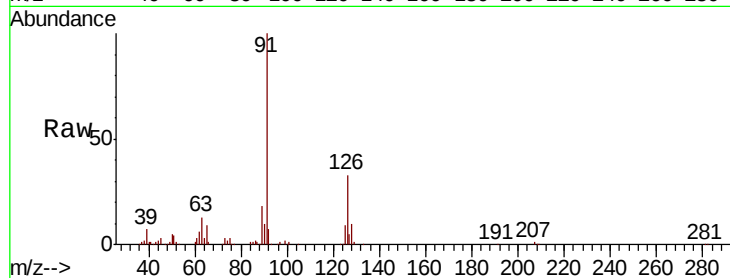
ClientSampleId :

Tot Ion: 91 Resp: 231308

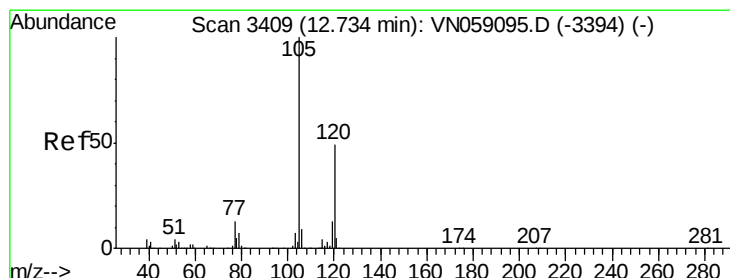
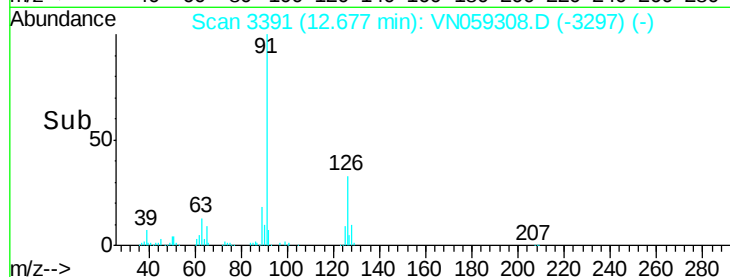
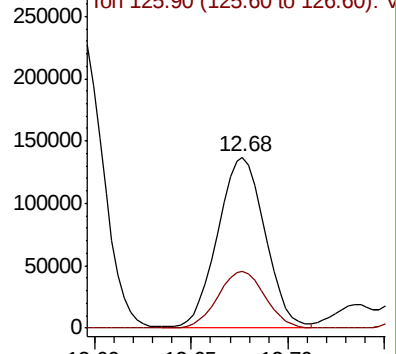
Ion Ratio Lower Upper

91 100

126 33.5 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.003 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059308.D

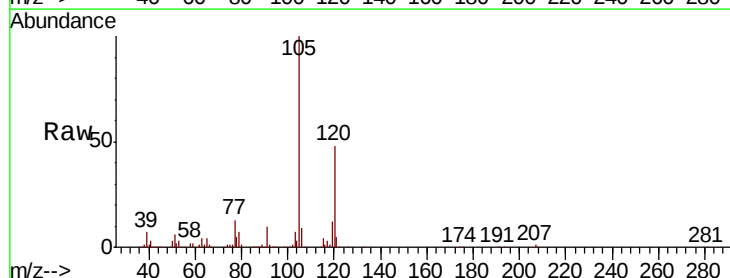
Acq: 19 Nov 2019 15:54

Tgt Ion: 105 Resp: 286308

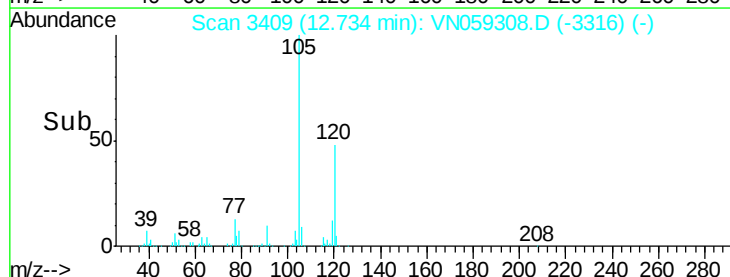
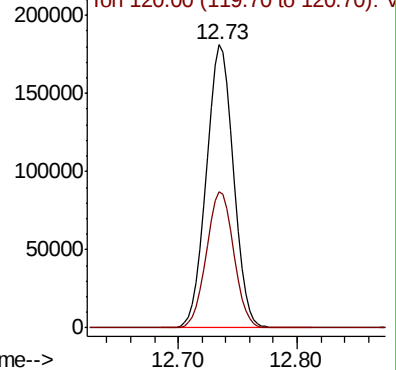
Ion Ratio Lower Upper

105 100

120 48.5 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.439 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

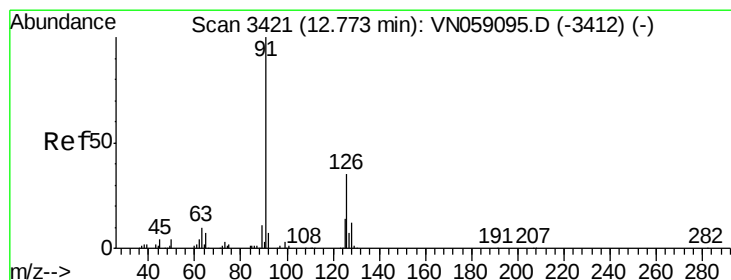
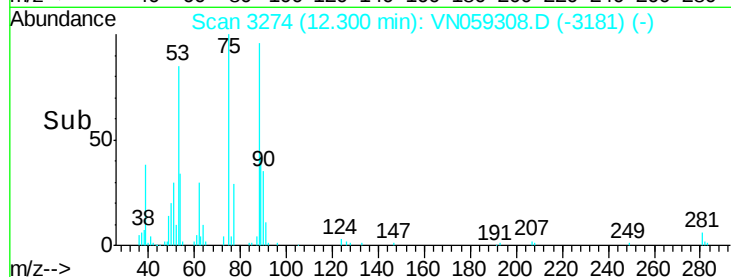
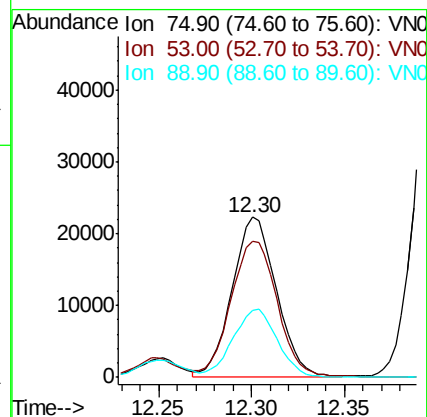
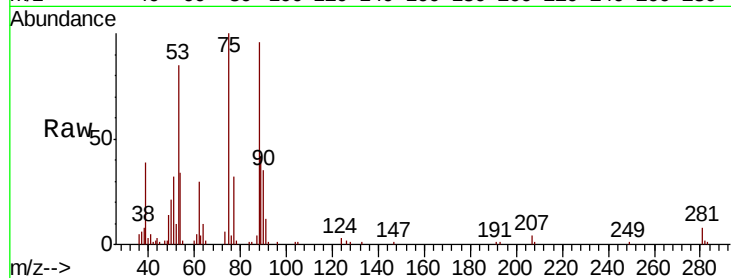
Tot Ion: 75 Resp: 36745

Ion Ratio Lower Upper

75 100

53 90.5 72.2 108.2

89 43.1 35.8 53.8



#82

4-Chlorotoluene

Concen: 18.510 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059308.D

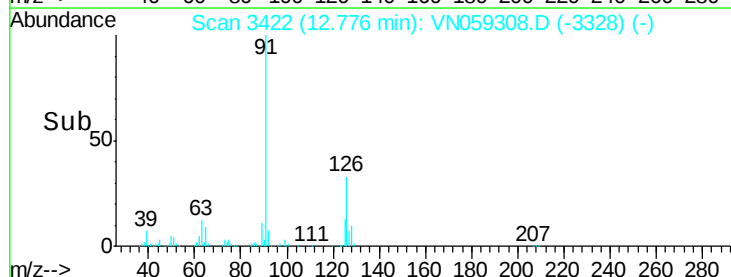
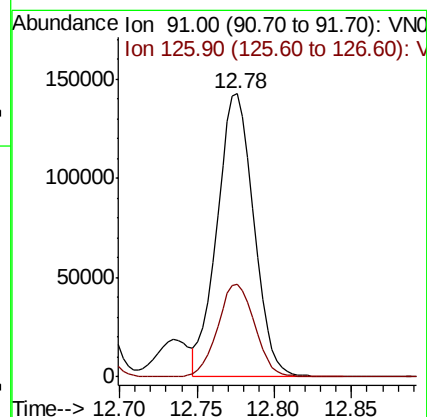
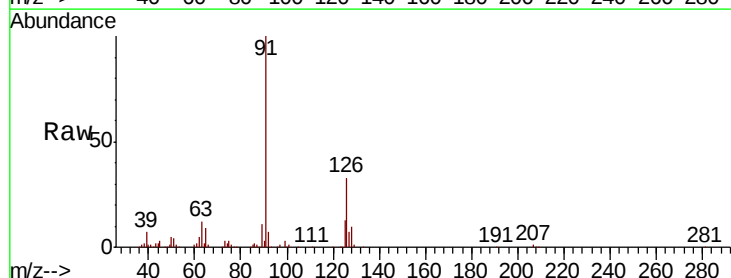
Acq: 19 Nov 2019 15:54

Tgt Ion: 91 Resp: 234481

Ion Ratio Lower Upper

91 100

126 33.2 16.1 48.2

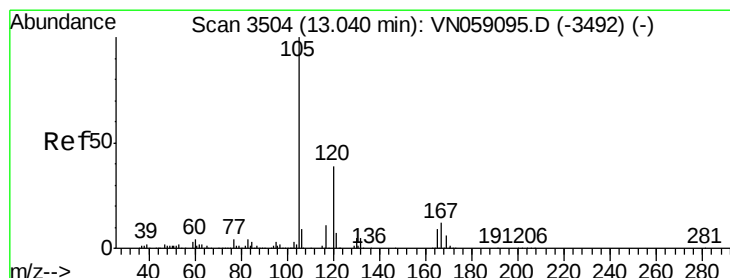
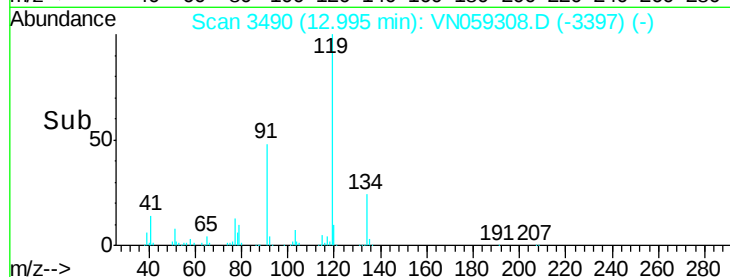
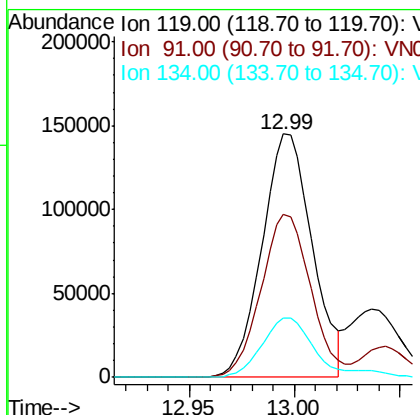
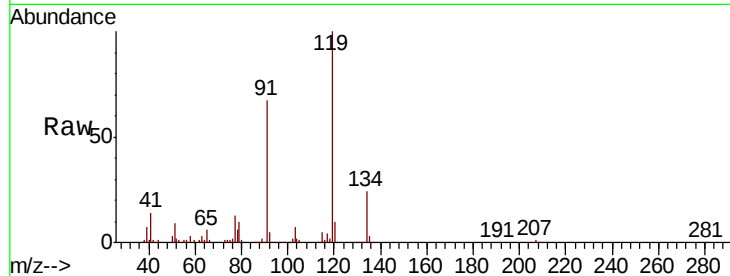




#83
 tert-Butylbenzene
 Concen: 18.488 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

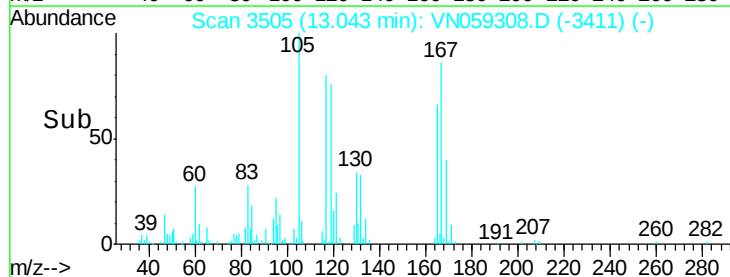
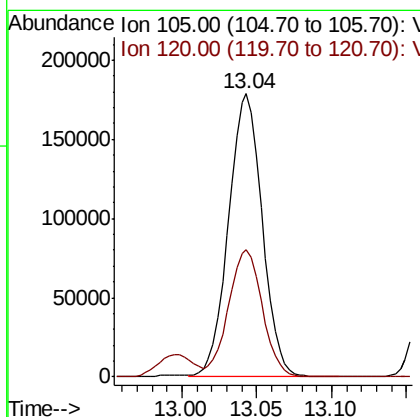
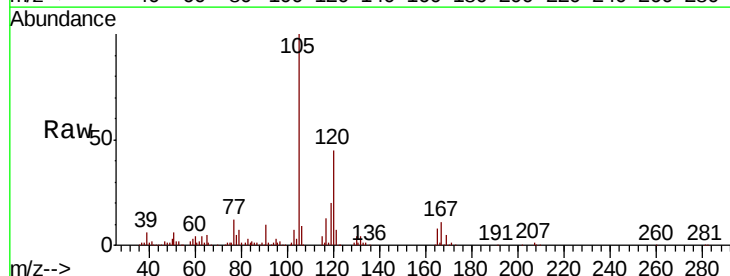
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.2	99.6
134	26.4	12.7	38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.174 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.218 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

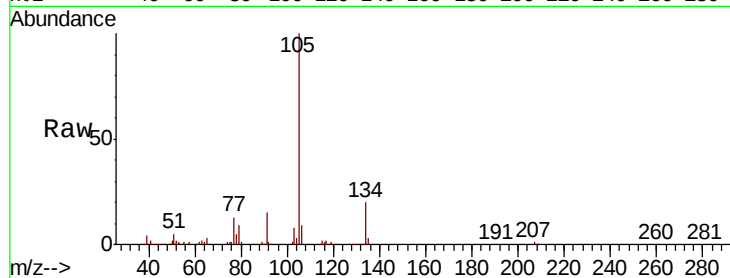
ClientSampled :

Tot Ion:105 Resp: 325199

Ion Ratio Lower Upper

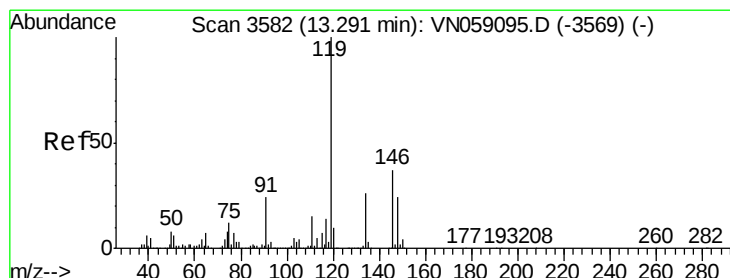
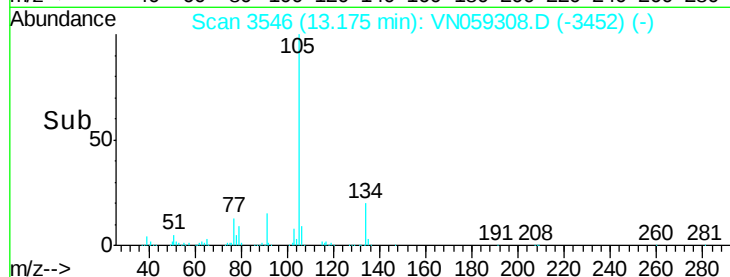
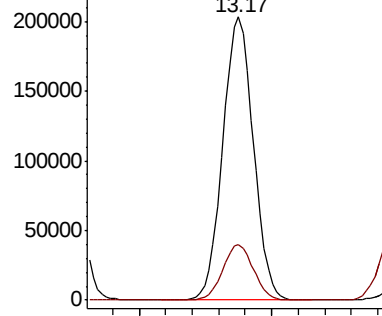
105 100

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



#86

p-Isopropyltoluene

Concen: 19.364 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

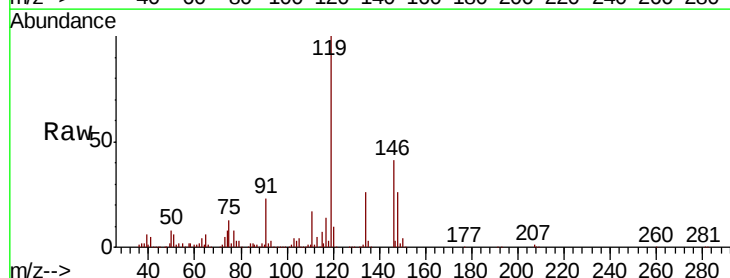
Tgt Ion:119 Resp: 289324

Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

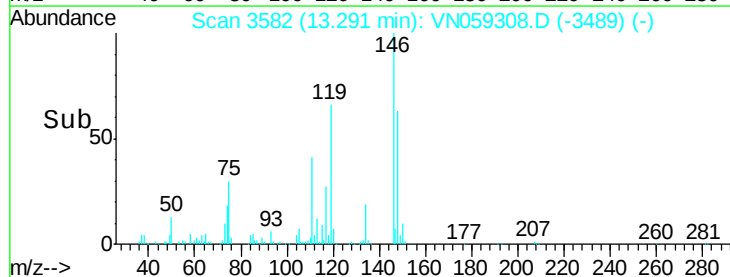
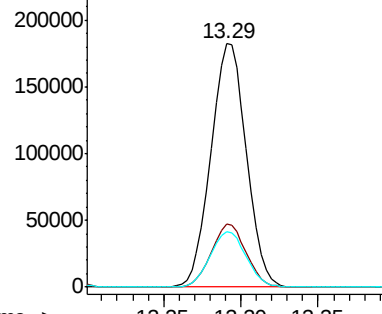
91 22.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.217 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

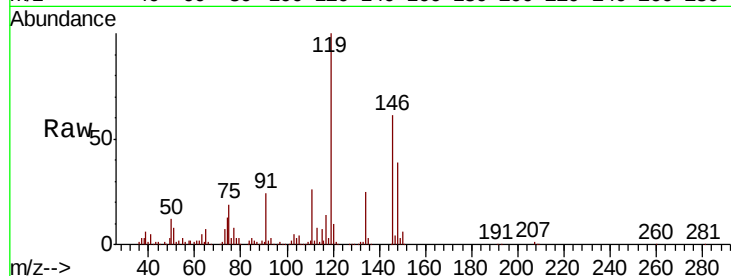
Tot Ion:146 Resp: 139355

Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

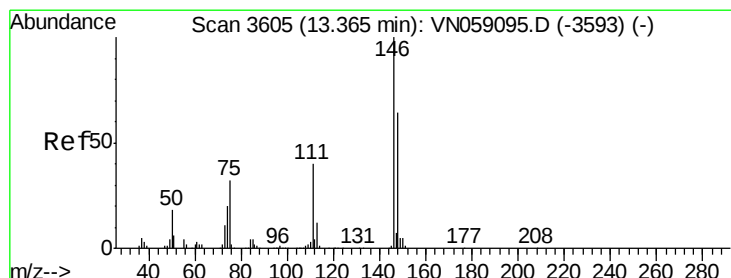
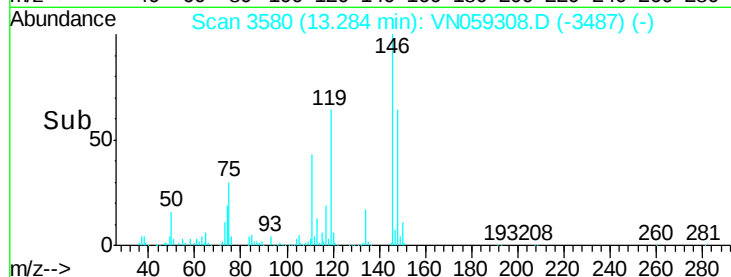
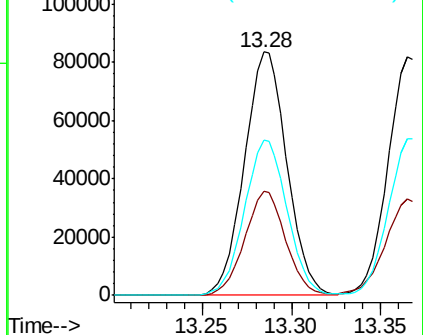
148 64.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.176 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

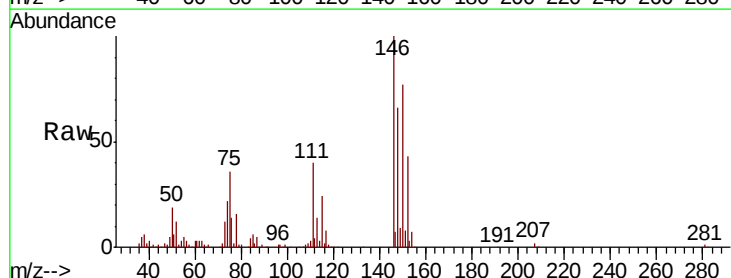
Tgt Ion:146 Resp: 139119

Ion Ratio Lower Upper

146 100

111 41.5 20.3 60.9

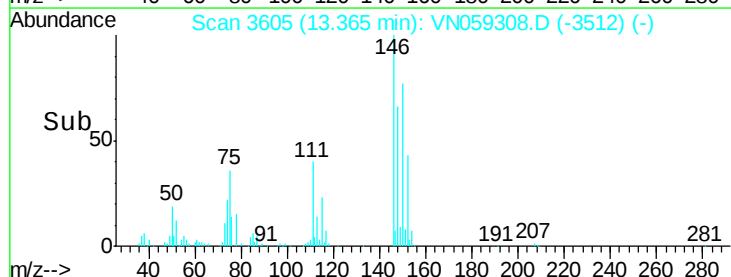
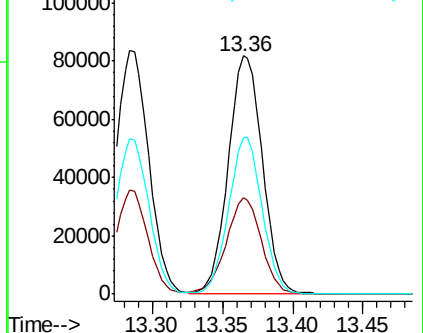
148 64.6 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

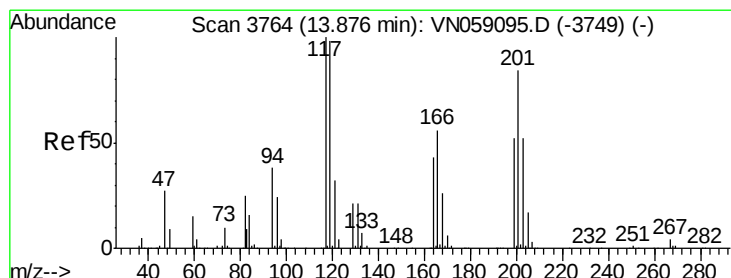
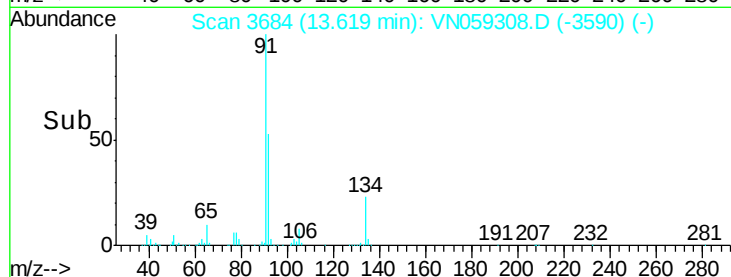
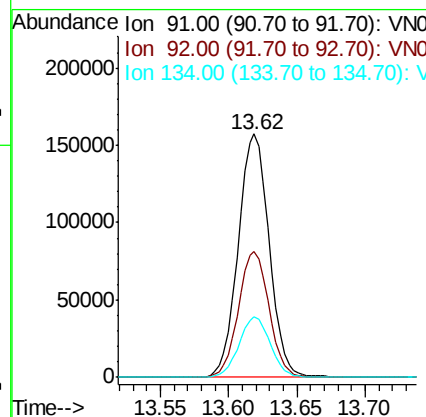
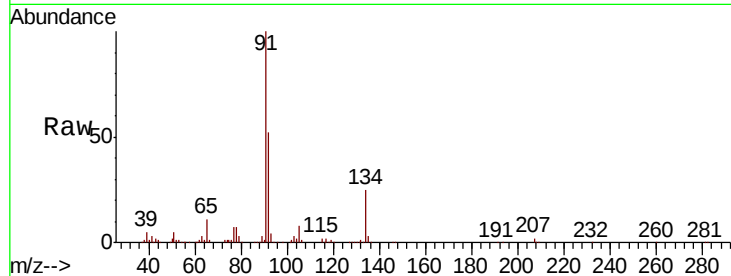




#89
n-Butylbenzene
Concen: 18.956 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

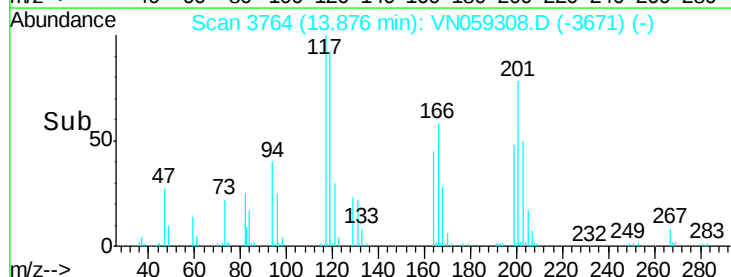
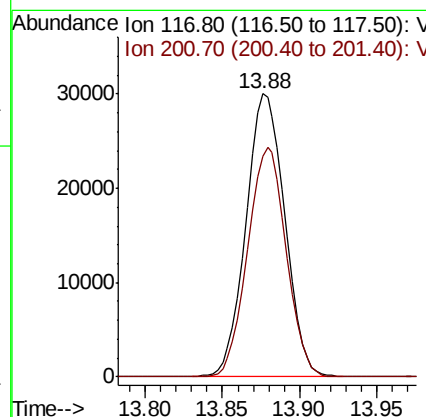
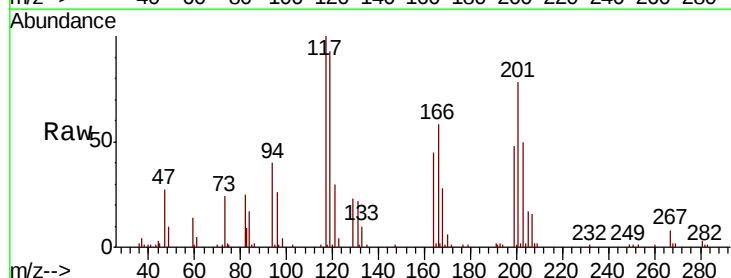
Instrument :
MSVOA_N
ClientSampled :

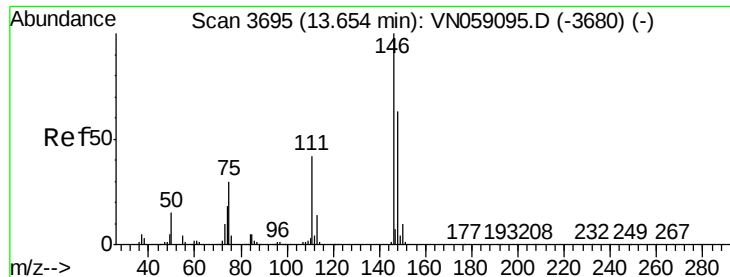
Tot Ion: 91 Resp: 247901
Ion Ratio Lower Upper
91 100
92 51.3 26.1 78.3
134 25.2 12.6 37.8



#90
Hexachloroethane
Concen: 17.524 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion: 117 Resp: 52578
Ion Ratio Lower Upper
117 100
201 80.3 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 18.355 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

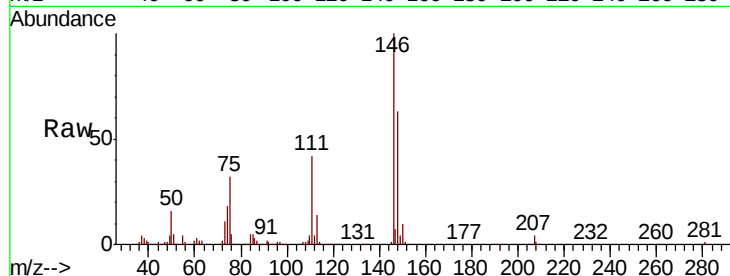
Tot Ion:146 Resp: 138127

Ion Ratio Lower Upper

146 100

111 41.8 21.2 63.6

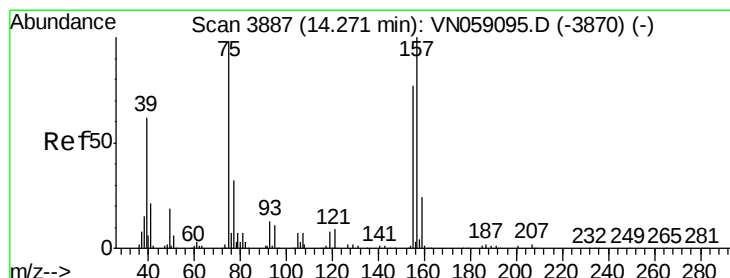
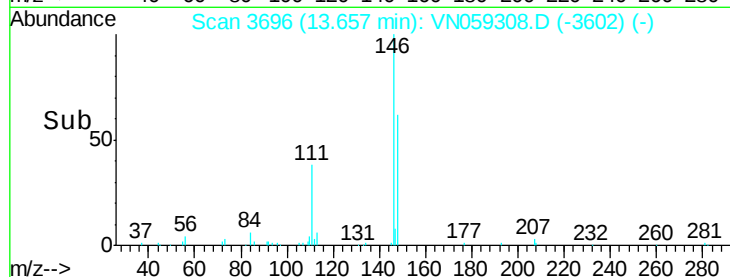
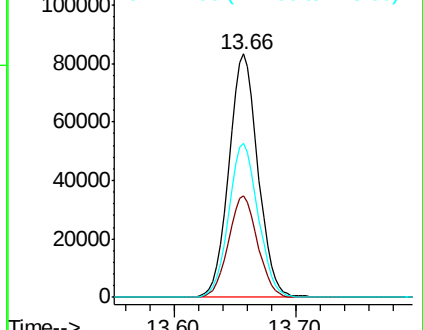
148 64.0 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.298 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059308.D

Acq: 19 Nov 2019 15:54

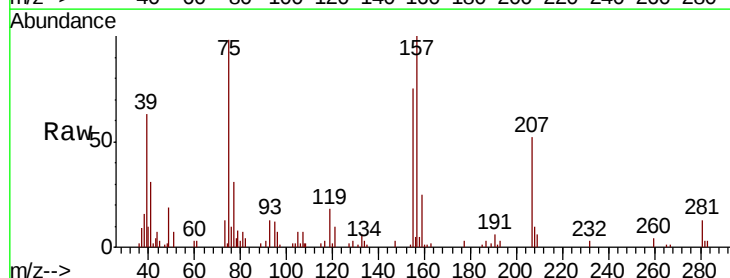
Tgt Ion: 75 Resp: 20876

Ion Ratio Lower Upper

75 100

155 77.7 40.2 120.6

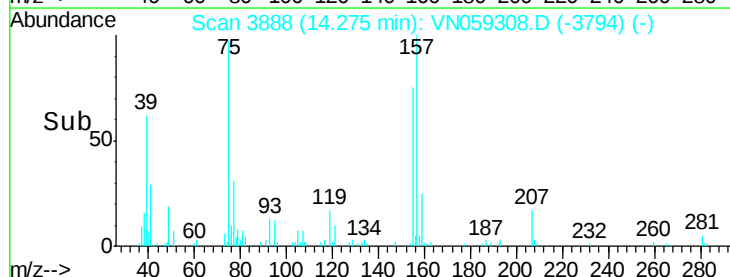
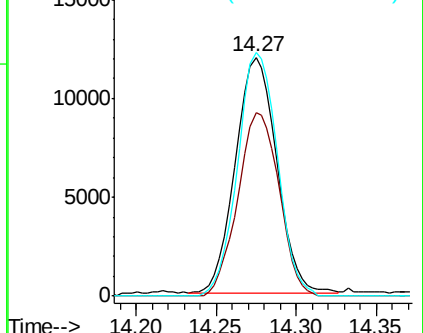
157 99.9 51.8 155.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

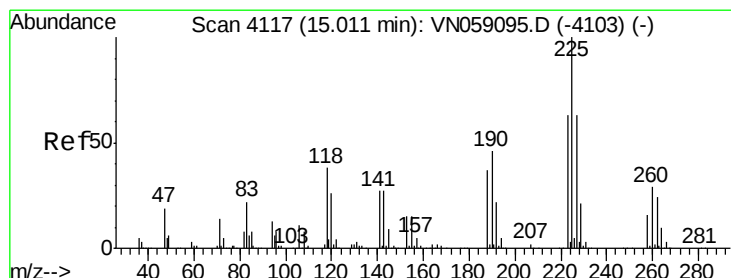
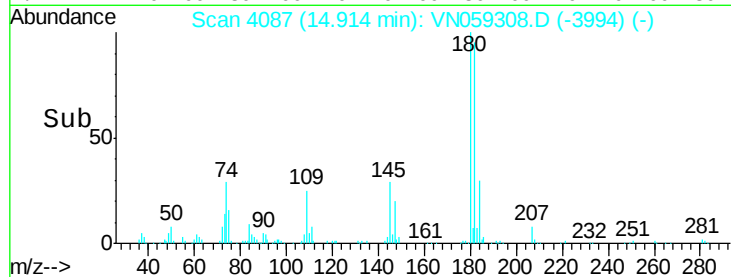
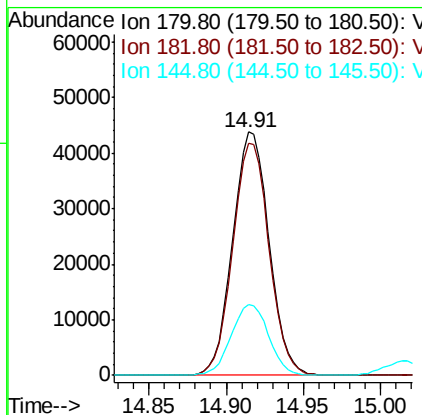
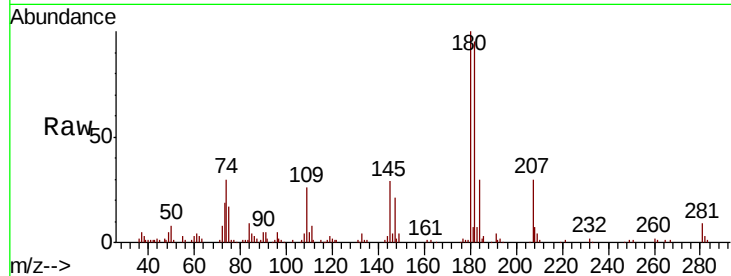




#93
 1,2,4-Trichlorobenzene
 Concen: 17.766 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

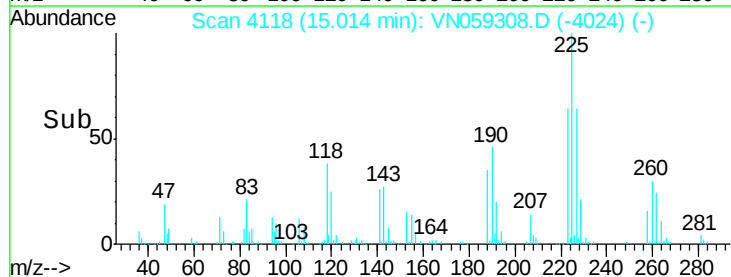
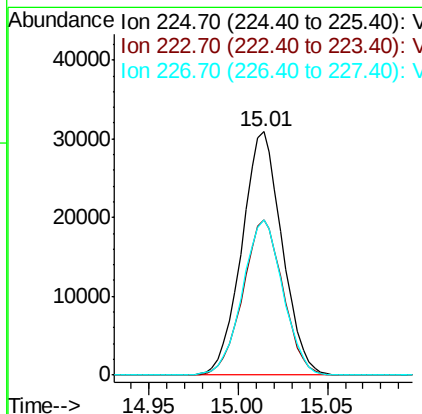
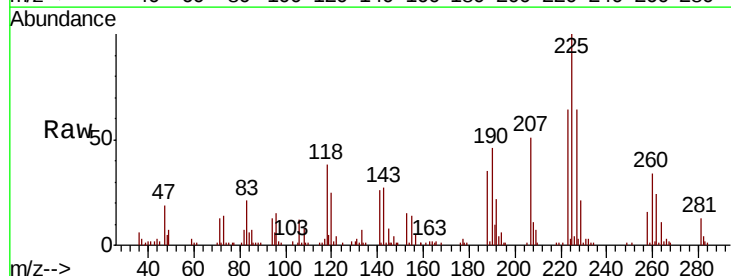
Instrument :
 MSVOA_N
 ClientSampled :

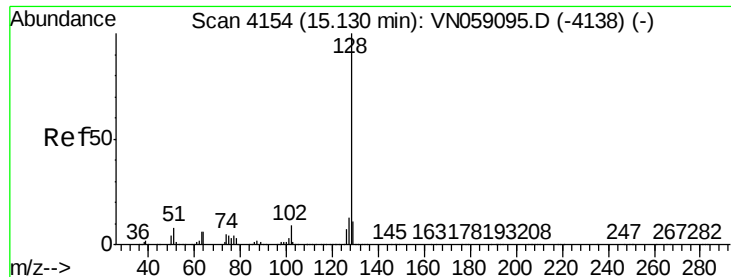
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.1	144.3
145	30.0	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 18.822 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059308.D
 Acq: 19 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.9
227	64.0	31.5	94.5

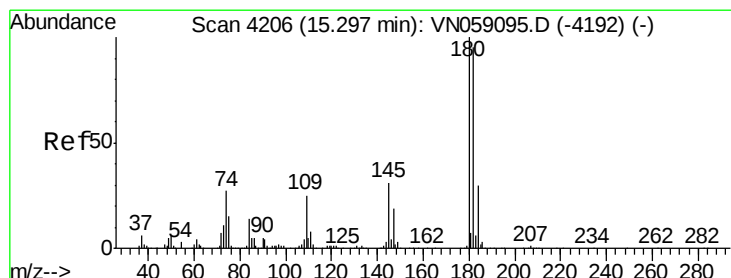
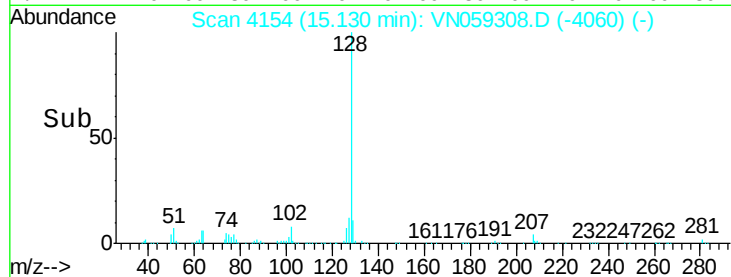
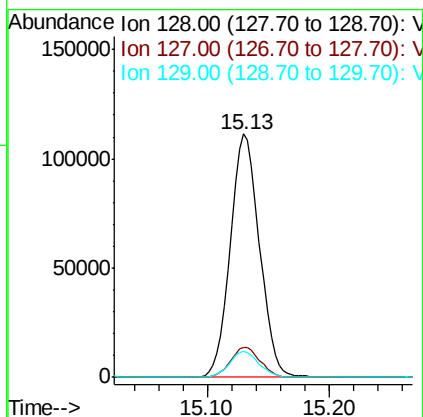
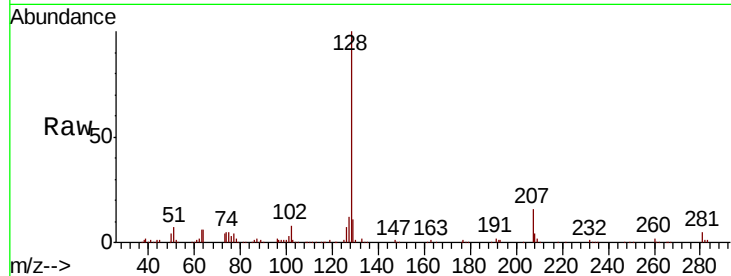




#95
Naphthalene
Concen: 16.795 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 16.982 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059308.D
Acq: 19 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.8
145	33.0	15.8	47.3

