

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
 Data File : VN058109.D
 Acq On : 16 Sep 2019 11:44
 Operator : JC/SP
 Sample : VN0916WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

Quant Time: Sep 17 03:48:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	316379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	507755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	476871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289961	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	331152	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
35) Dibromofluoromethane	7.58	113	236378	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.08	98	936049	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	339598	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	91122	20.826	ug/l	100
3) Chloromethane	2.04	50	79407	17.806	ug/l	96
4) Vinyl Chloride	2.17	62	81854	17.343	ug/l	99
5) Bromomethane	2.54	94	44644	16.184	ug/l	95
6) Chloroethane	2.68	64	50437	16.770	ug/l	90
7) Trichlorofluoromethane	3.00	101	111654	18.798	ug/l	99
8) Diethyl Ether	3.39	74	50378	20.336	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82451	22.005	ug/l	99
10) Methyl Iodide	3.93	142	75846	18.191	ug/l	98
11) Tert butyl alcohol	4.75	59	76941	99.205	ug/l	99
12) 1,1-Dichloroethene	3.72	96	65946	19.575	ug/l	98
13) Acrolein	3.59	56	5993	9.108	ug/l	98
14) Allyl chloride	4.30	41	127326	19.313	ug/l	98
15) Acrylonitrile	4.96	53	228218	107.057	ug/l	99
16) Acetone	3.80	43	203382	96.818	ug/l	98
17) Carbon Disulfide	4.03	76	88148	16.917	ug/l	99
18) Methyl Acetate	4.30	43	132856	23.720	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	312004	22.254	ug/l	99
20) Methylene Chloride	4.53	84	91482	22.191	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	73146	20.085	ug/l	97
22) Diisopropyl ether	5.93	45	336002	21.732	ug/l	95
23) Vinyl Acetate	5.87	43	1208357	110.280	ug/l	99
24) 1,1-Dichloroethane	5.83	63	183263	21.688	ug/l	99
25) 2-Butanone	6.82	43	322897	106.202	ug/l	96
26) 2,2-Dichloropropane	6.81	77	136592	20.426	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	101356	20.768	ug/l	98
28) Bromochloromethane	7.18	49	86410	20.469	ug/l	93
29) Tetrahydrofuran	7.19	42	196543	104.907	ug/l	99
30) Chloroform	7.36	83	190118	21.519	ug/l	99
31) Cyclohexane	7.64	56	126944	20.737	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	148158	21.144	ug/l	98
36) 1,1-Dichloropropene	7.78	75	118125	20.060	ug/l	99
37) Ethyl Acetate	6.91	43	133227	21.898	ug/l	99
38) Carbon Tetrachloride	7.76	117	114589	21.314	ug/l	99

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Quant Time: Sep 17 03:48:39 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	119693	19.336	ug/l	95
40) Benzene	8.03	78	373695	21.079	ug/l	98
41) Methacrylonitrile	7.15	41	60621	21.950	ug/l #	71
42) 1,2-Dichloroethane	8.11	62	155038	21.866	ug/l	100
43) Isopropyl Acetate	8.15	43	242272	23.679	ug/l	97
44) Trichloroethene	8.83	130	90758	20.872	ug/l	95
45) 1,2-Dichloropropane	9.11	63	111403	21.595	ug/l	95
46) Dibromomethane	9.20	93	68836	22.082	ug/l	99
47) Bromodichloromethane	9.40	83	138672	22.277	ug/l	99
48) Methyl methacrylate	9.19	41	110662	21.322	ug/l	97
49) 1,4-Dioxane	9.19	88	33328	379.729	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	705198	116.473	ug/l	99
52) Toluene	10.15	92	237325	21.254	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	138718	21.161	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	155333	21.462	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	106966	22.615	ug/l	95
56) Ethyl methacrylate	10.43	69	153843	21.599	ug/l	97
57) 1,3-Dichloropropane	10.71	76	175678	21.552	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	334515	99.715	ug/l	100
59) 2-Hexanone	10.75	43	492298	108.480	ug/l	100
60) Dibromochloromethane	10.90	129	96329	21.932	ug/l	99
61) 1,2-Dibromoethane	11.00	107	98402	22.006	ug/l	97
64) Tetrachloroethene	10.63	164	71245	20.234	ug/l	99
65) Chlorobenzene	11.43	112	267675	21.448	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95483	22.049	ug/l	98
67) Ethyl Benzene	11.51	91	483825	22.121	ug/l	99
68) m/p-Xylenes	11.62	106	351627	43.890	ug/l	98
69) o-Xylene	11.95	106	178667	22.432	ug/l	97
70) Styrene	11.97	104	304861	22.241	ug/l	98
71) Bromoform	12.13	173	57826	21.418	ug/l #	99
73) Isopropylbenzene	12.25	105	489877	21.772	ug/l	100
74) N-amyl acetate	12.07	43	204961	20.931	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	161449	21.311	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	192711	29.379	ug/l #	100
77) Bromobenzene	12.53	156	122960	21.919	ug/l	90
78) n-propylbenzene	12.60	91	571753	22.129	ug/l	100
79) 2-Chlorotoluene	12.68	91	337558	20.671	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	417824	21.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36003	19.315	ug/l	90
82) 4-Chlorotoluene	12.78	91	353144	21.059	ug/l	99
83) tert-Butylbenzene	13.00	119	357028	21.127	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	417390	21.602	ug/l	98
85) sec-Butylbenzene	13.18	105	493188	22.019	ug/l	99
86) p-Isopropyltoluene	13.29	119	439157	22.252	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	216482	21.024	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	214878	20.559	ug/l	98
89) n-Butylbenzene	13.62	91	397419	21.324	ug/l	100
90) Hexachloroethane	13.88	117	59999	20.442	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	217937	21.186	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26946	21.538	ug/l	94

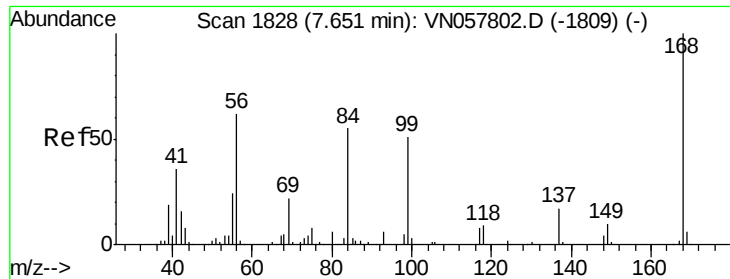
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	139605	20.763	ug/l	99
94) Hexachlorobutadiene	15.02	225	59830	20.992	ug/l	98
95) Naphthalene	15.13	128	393482	22.311	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	130573	22.799	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampled :

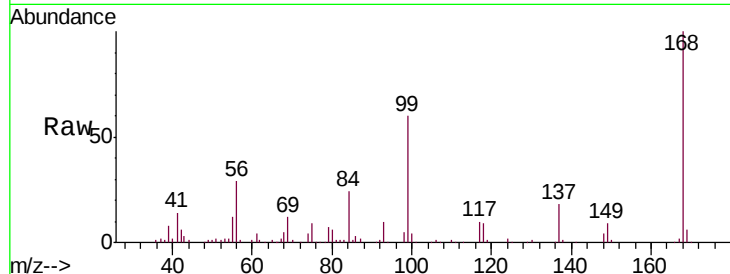
VN0916WBS01

Tgt Ion:168 Resp: 316379

Ion Ratio Lower Upper

168 100

99 60.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

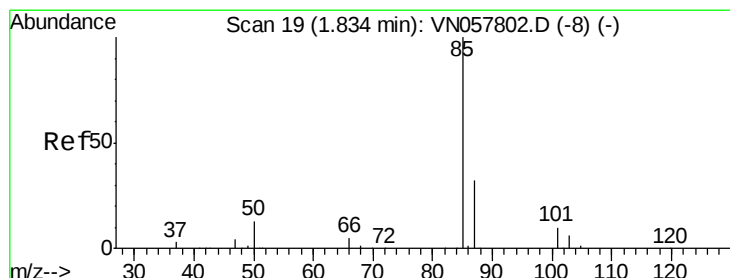
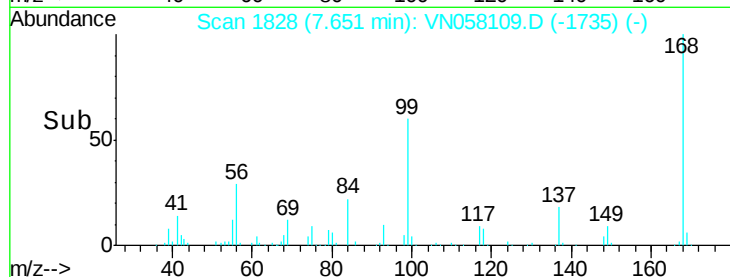
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.826 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058109.D

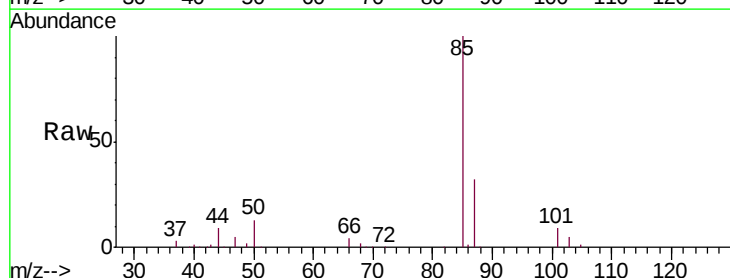
Acq: 16 Sep 2019 11:44

Tgt Ion: 85 Resp: 91122

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

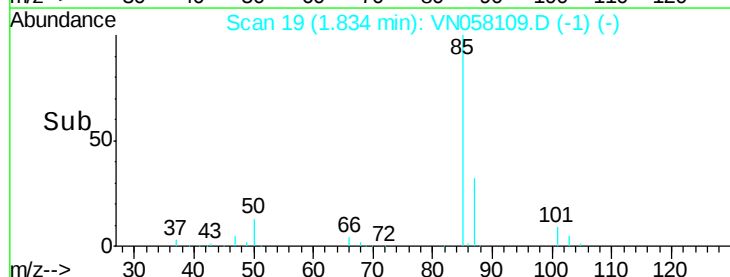
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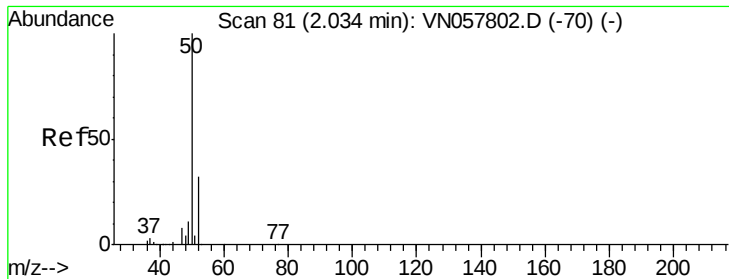
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.806 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

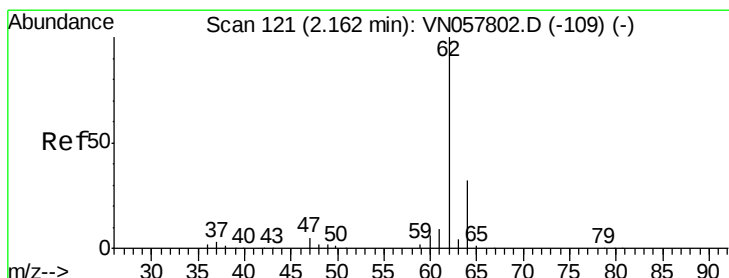
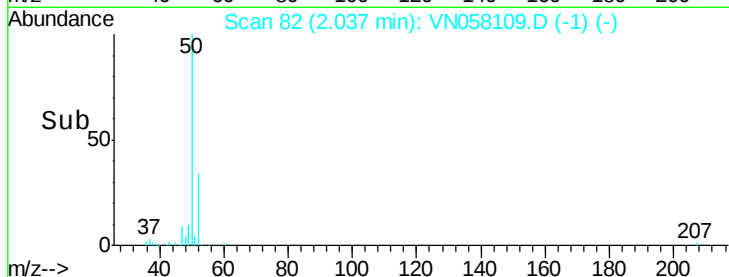
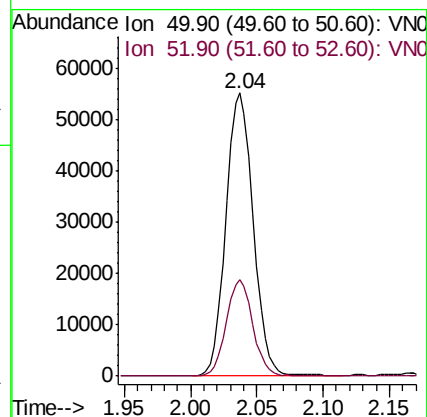
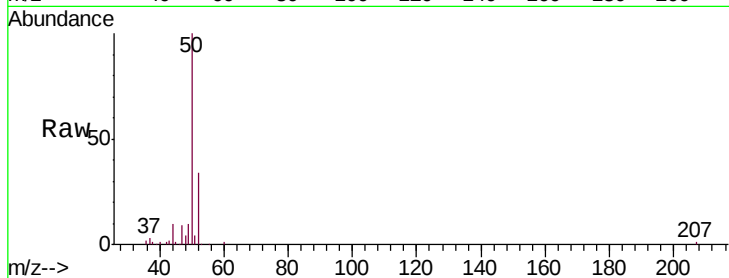
VN0916WBS01

Tgt Ion: 50 Resp: 79407

Ion Ratio Lower Upper

50 100

52 34.1 25.5 38.3



#4

Vinyl Chloride

Concen: 17.343 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058109.D

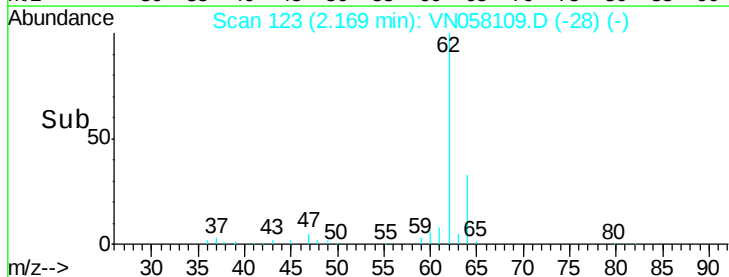
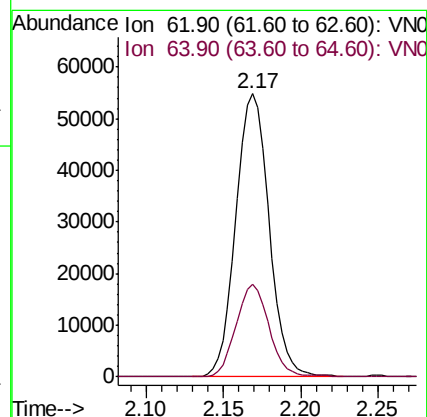
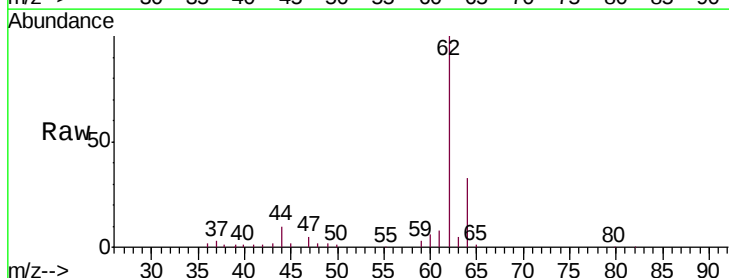
Acq: 16 Sep 2019 11:44

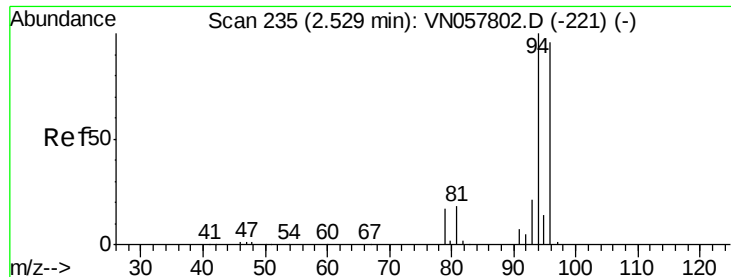
Tgt Ion: 62 Resp: 81854

Ion Ratio Lower Upper

62 100

64 32.8 25.6 38.4





#5

Bromomethane

Concen: 16.184 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

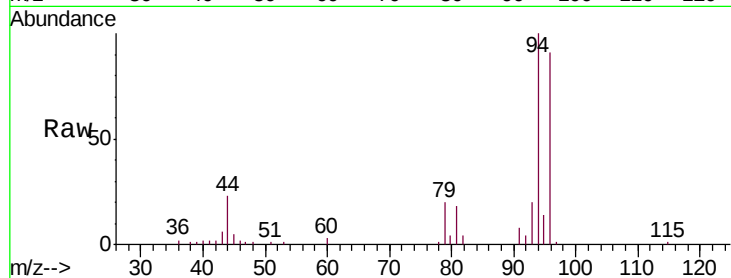
VN0916WBS01

Tgt Ion: 94 Resp: 44644

Ion Ratio Lower Upper

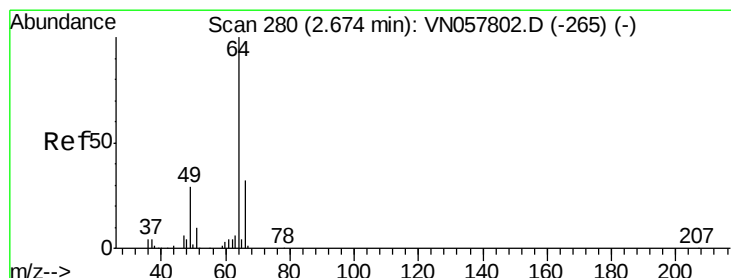
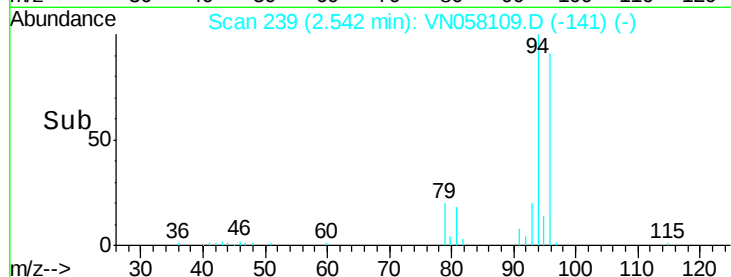
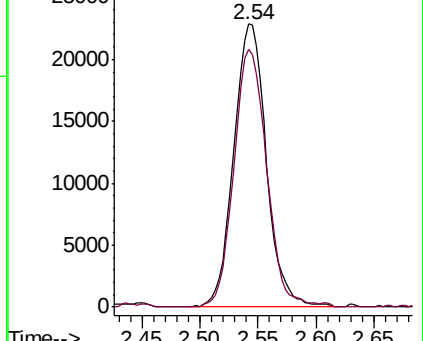
94 100

96 91.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.770 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058109.D

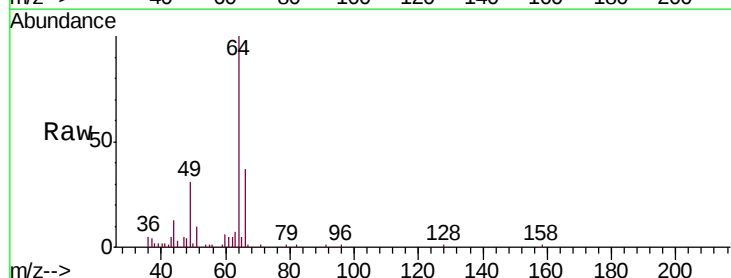
Acq: 16 Sep 2019 11:44

Tgt Ion: 64 Resp: 50437

Ion Ratio Lower Upper

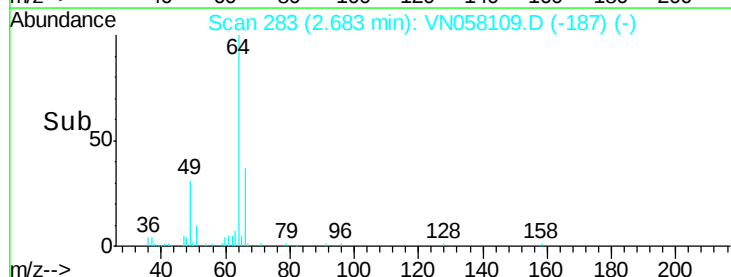
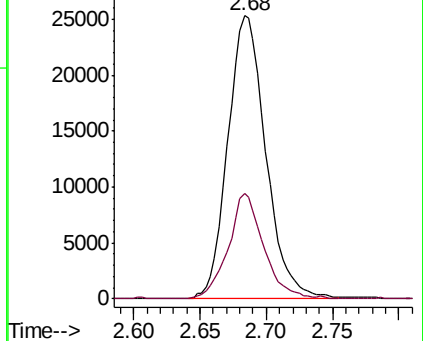
64 100

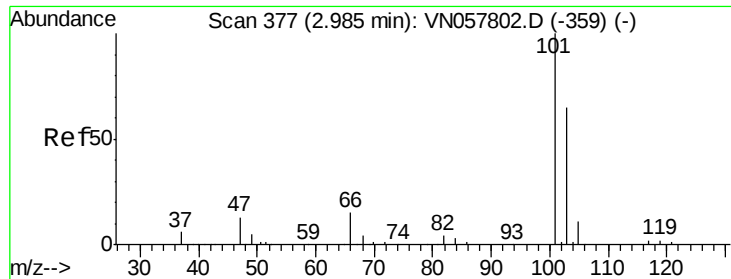
66 37.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



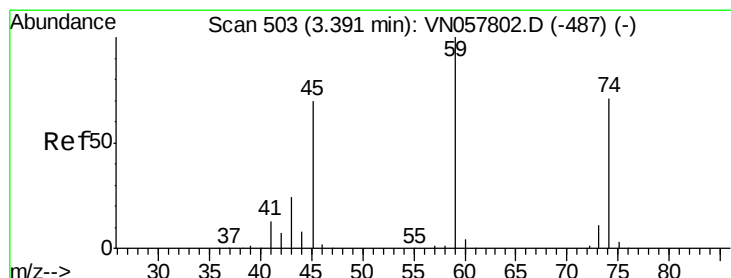
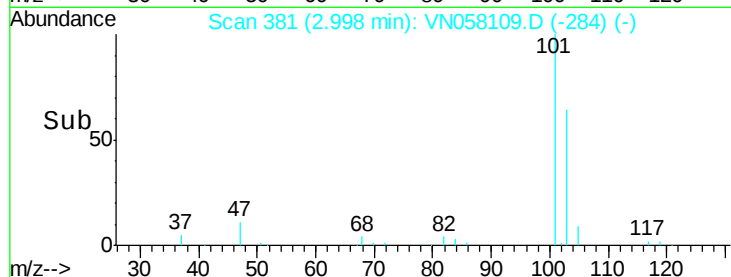
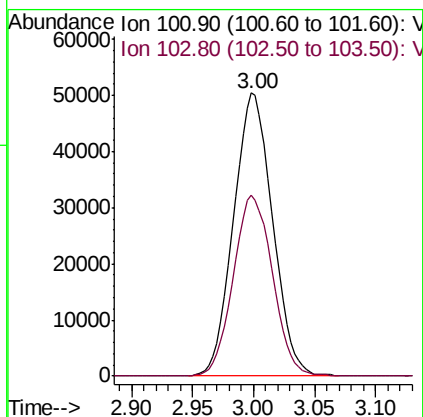
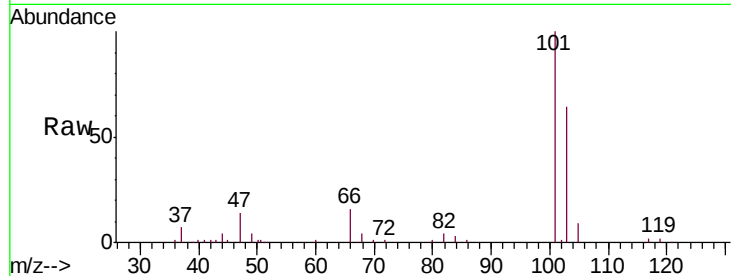


#7

Trichlorofluoromethane
 Concen: 18.798 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Instrument :
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 VN0916WBS01

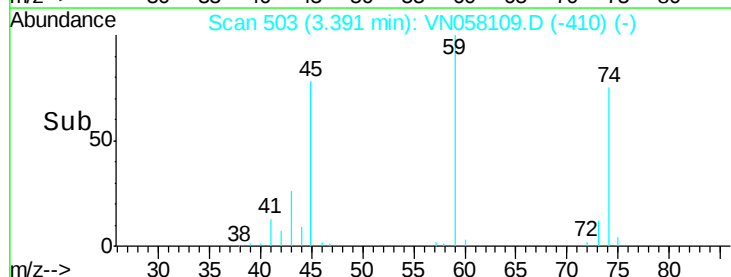
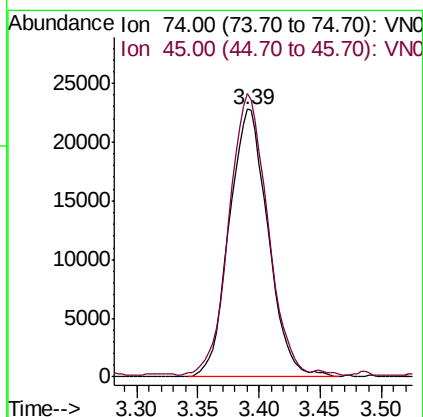
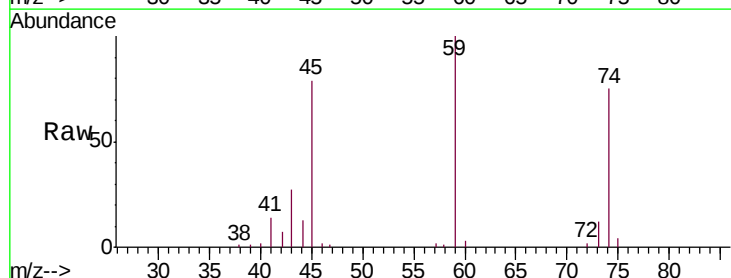
Tgt Ion:101 Resp: 111654
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.9 77.9

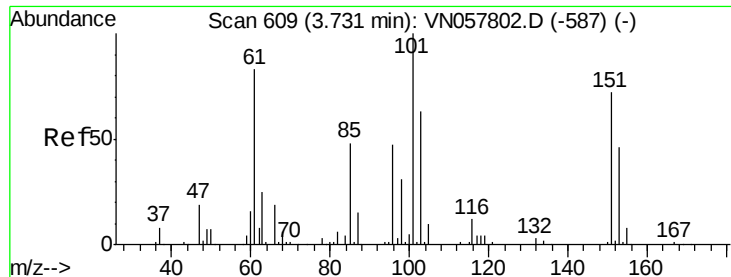


#8

Diethyl Ether
 Concen: 20.336 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion: 74 Resp: 50378
 Ion Ratio Lower Upper
 74 100
 45 104.2 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.005 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

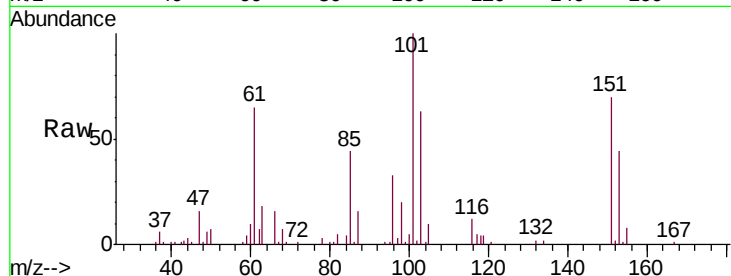
Tgt Ion:101 Resp: 82451

Ion Ratio Lower Upper

101 100

85 46.0 38.1 57.1

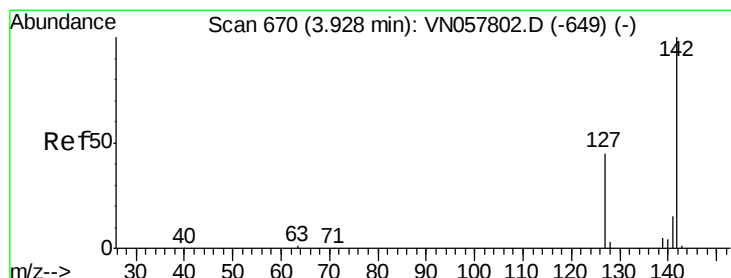
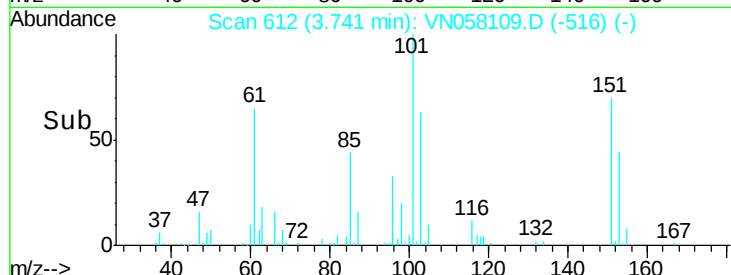
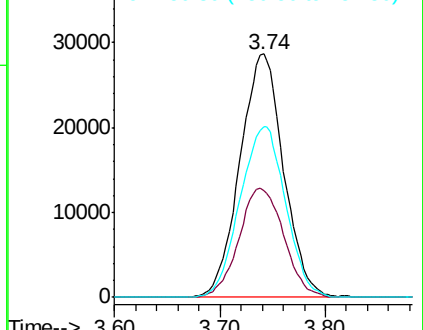
151 73.1 58.4 87.6



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: 18.191 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

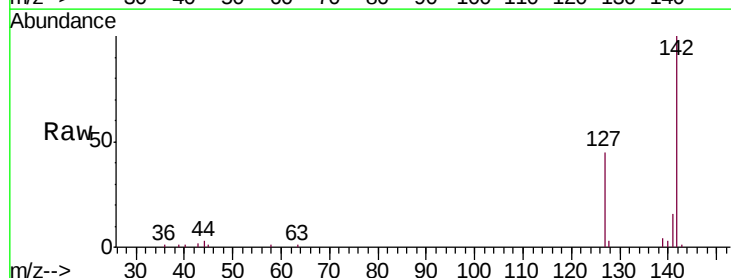
Tgt Ion:142 Resp: 75846

Ion Ratio Lower Upper

142 100

127 47.0 36.7 55.1

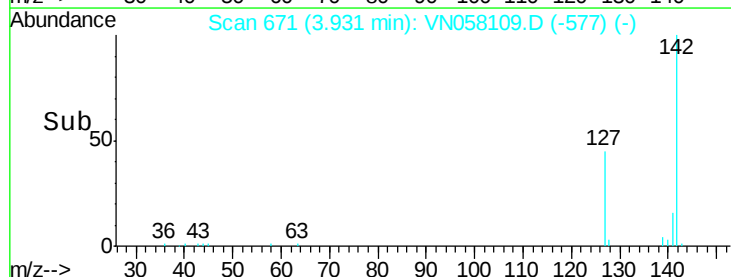
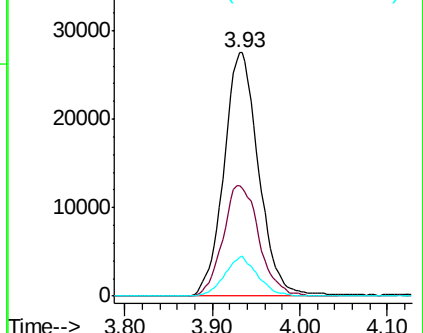
141 15.3 11.4 17.0

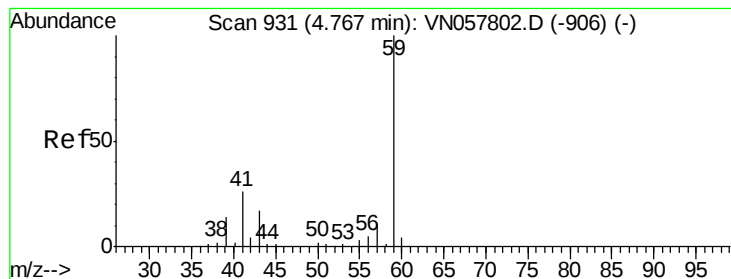


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



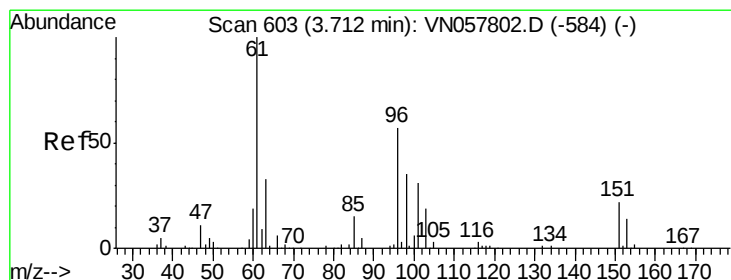
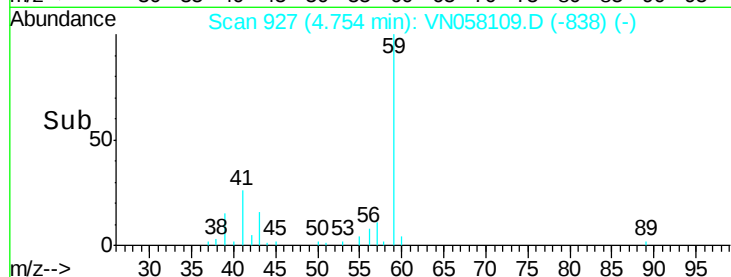
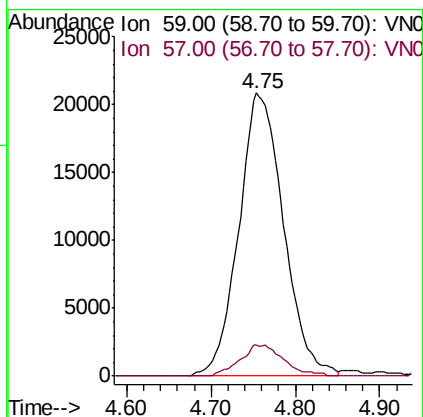
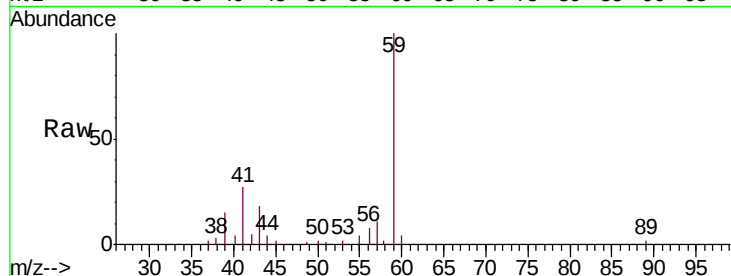


#11

Tert butyl alcohol
 Concen: 99.205 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

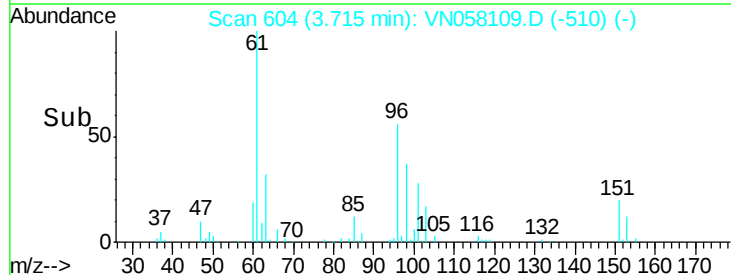
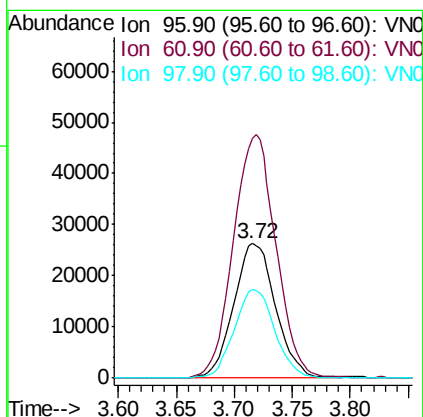
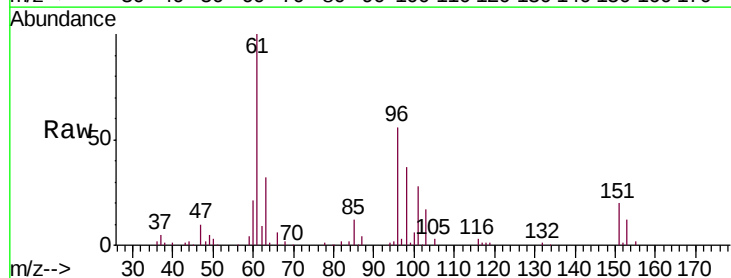
Tgt Ion: 59 Resp: 76941
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6

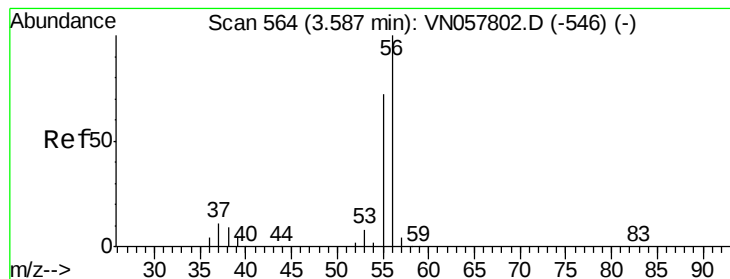


#12

1,1-Dichloroethene
 Concen: 19.575 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion: 96 Resp: 65946
 Ion Ratio Lower Upper
 96 100
 61 178.4 141.2 211.8
 98 66.0 49.9 74.9





#13

Acrolein

Concen: 9.108 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

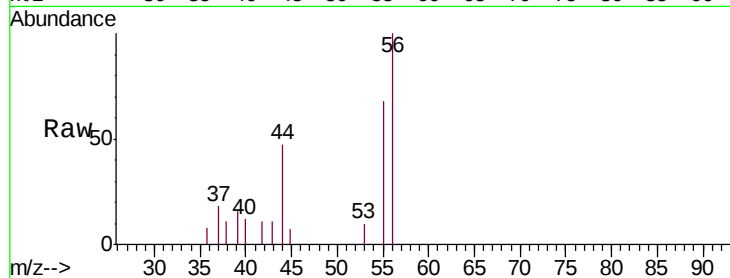
VN0916WBS01

Tgt Ion: 56 Resp: 5993

Ion Ratio Lower Upper

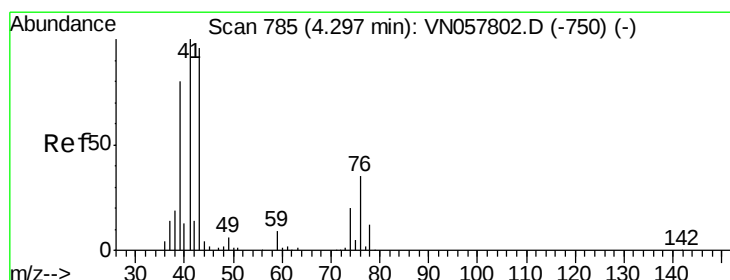
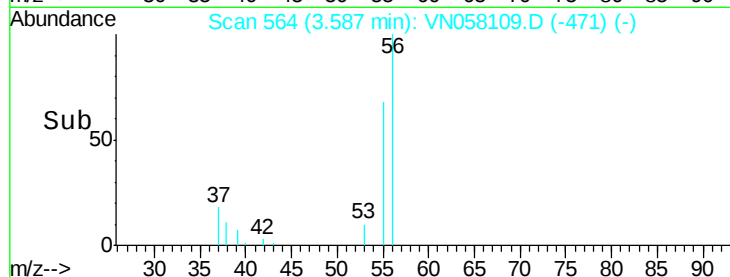
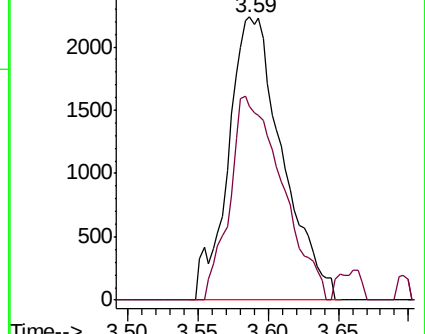
56 100

55 69.6 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.313 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

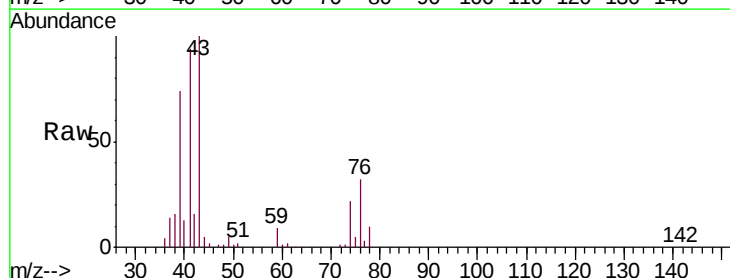
Tgt Ion: 41 Resp: 127326

Ion Ratio Lower Upper

41 100

39 76.7 59.4 89.2

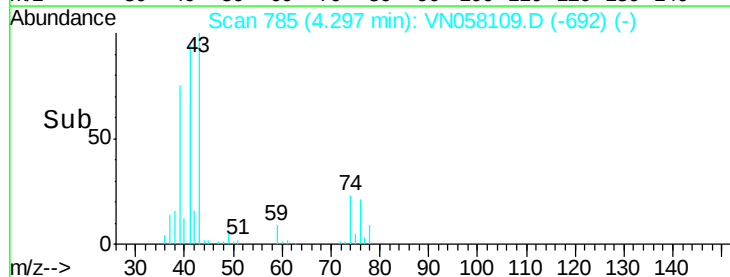
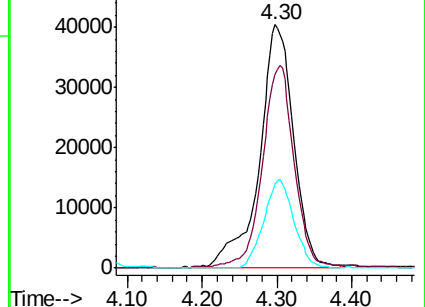
76 32.3 26.0 39.0



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: 107.057 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

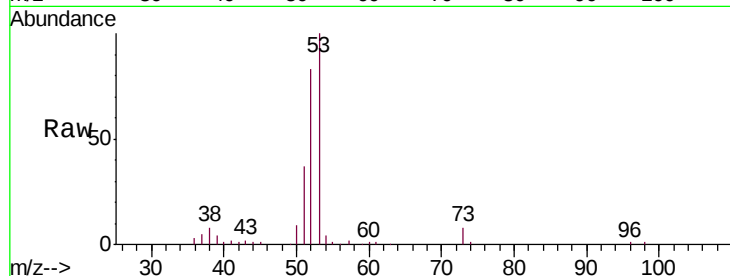
Tgt Ion: 53 Resp: 228218

Ion Ratio Lower Upper

53 100

52 83.9 66.6 100.0

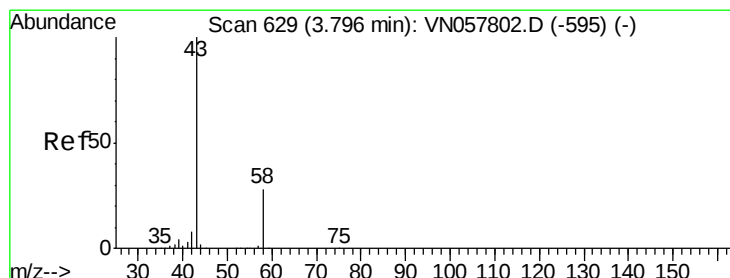
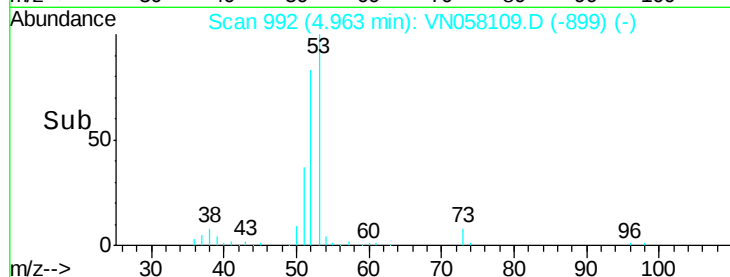
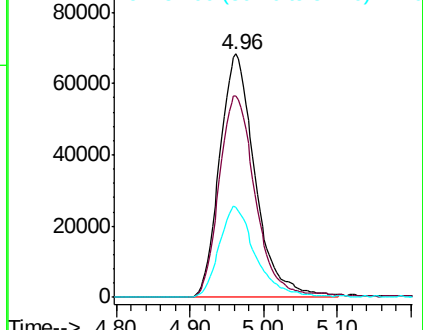
51 38.4 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 96.818 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058109.D

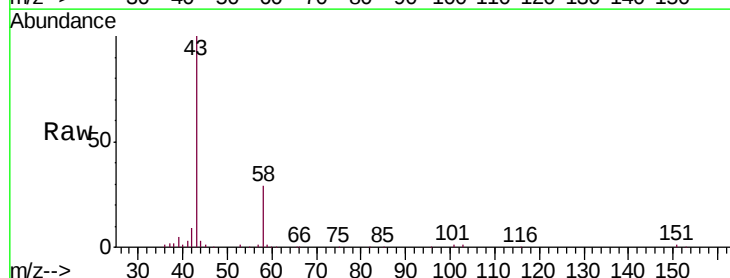
Acq: 16 Sep 2019 11:44

Tgt Ion: 43 Resp: 203382

Ion Ratio Lower Upper

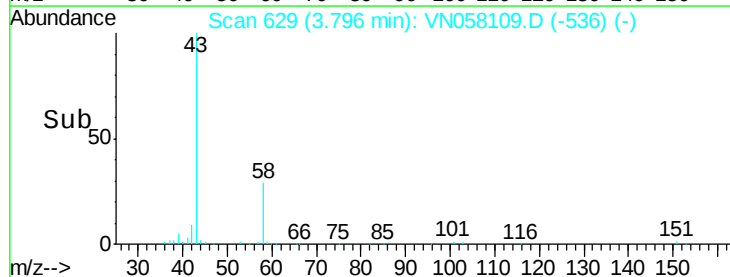
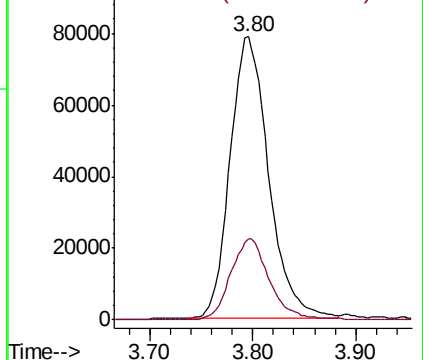
43 100

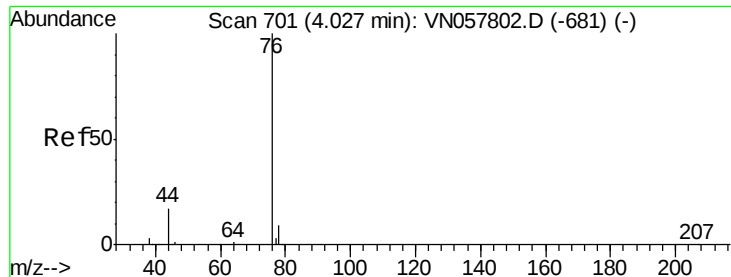
58 28.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.917 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

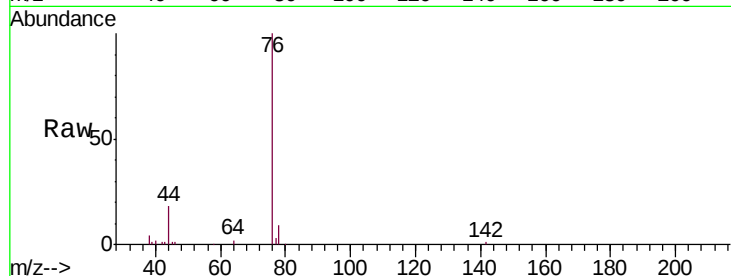
VN0916WBS01

Tgt Ion: 76 Resp: 88148

Ion Ratio Lower Upper

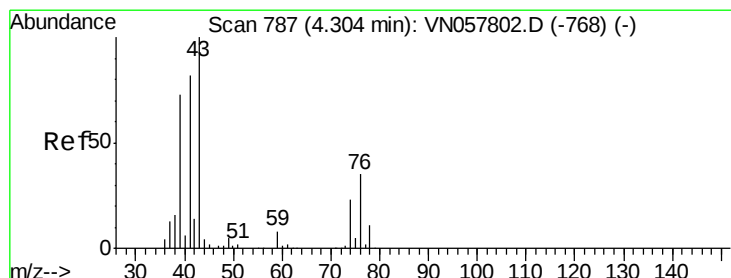
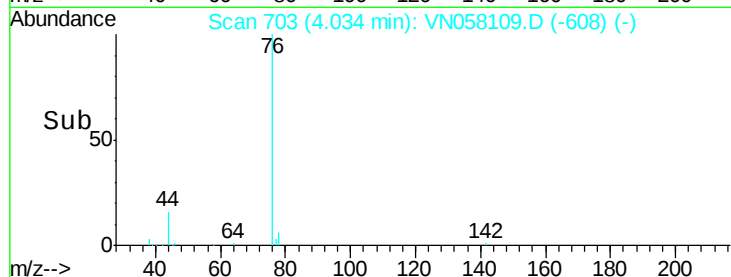
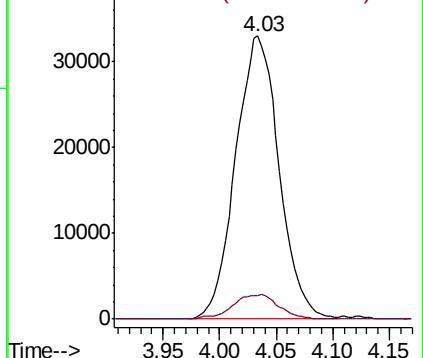
76 100

78 8.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 23.720 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058109.D

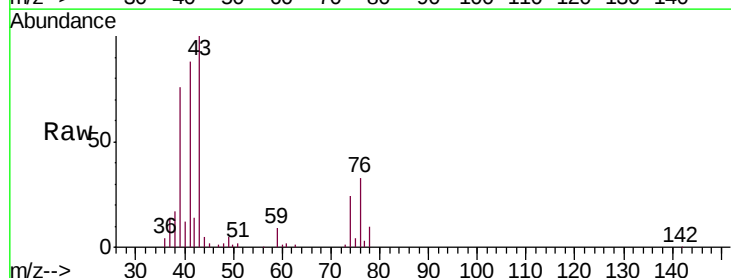
Acq: 16 Sep 2019 11:44

Tgt Ion: 43 Resp: 132856

Ion Ratio Lower Upper

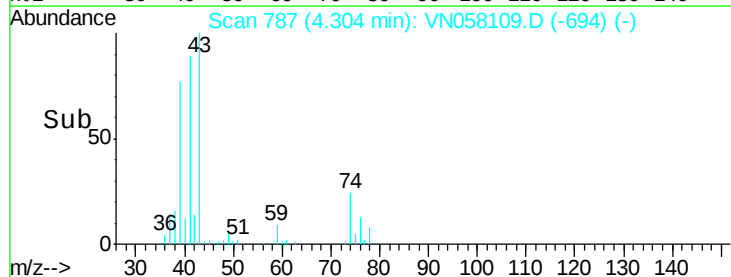
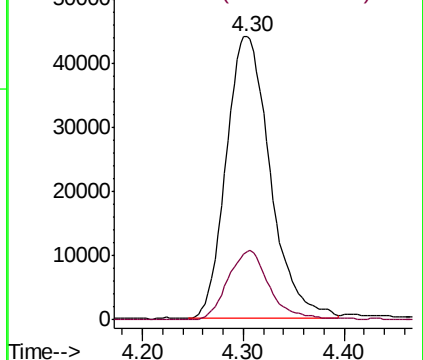
43 100

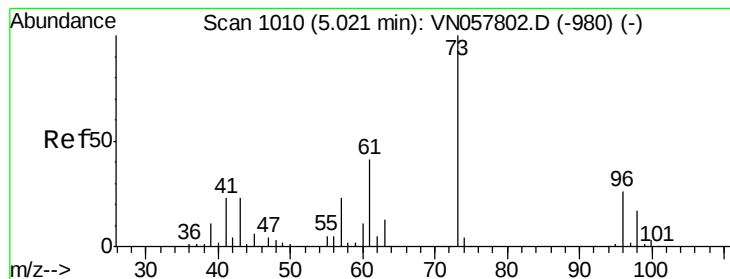
74 23.1 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





#19

Methyl tert-butyl Ether

Concen: 22.254 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

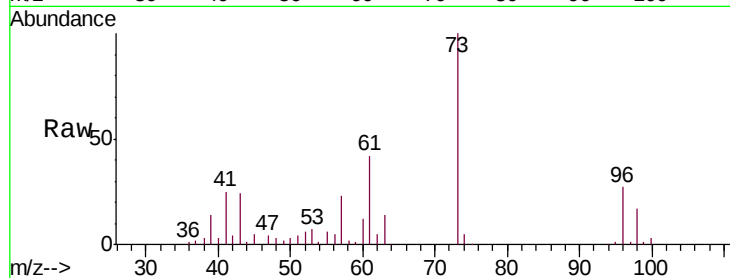
VN0916WBS01

Tgt Ion: 73 Resp: 312004

Ion Ratio Lower Upper

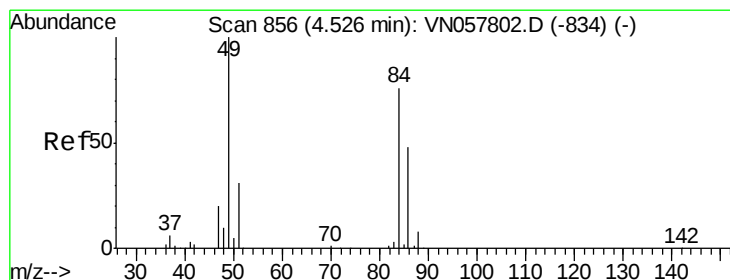
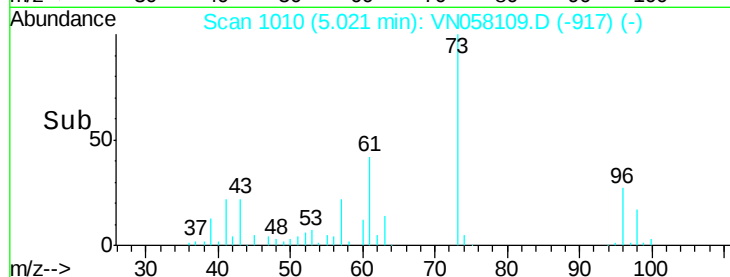
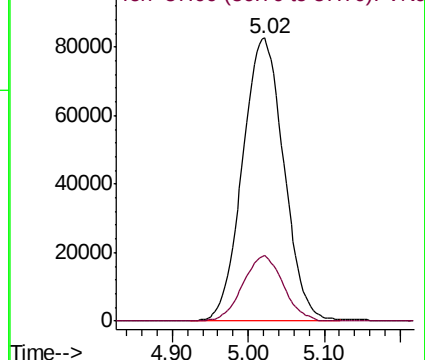
73 100

57 23.0 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 22.191 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Tgt Ion: 84 Resp: 91482

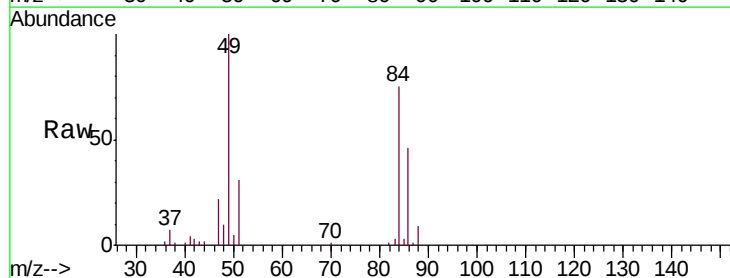
Ion Ratio Lower Upper

84 100

49 133.8 104.8 157.2

51 41.0 33.0 49.4

86 61.6 50.5 75.7

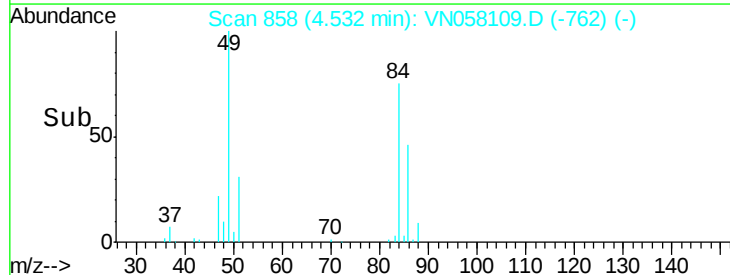
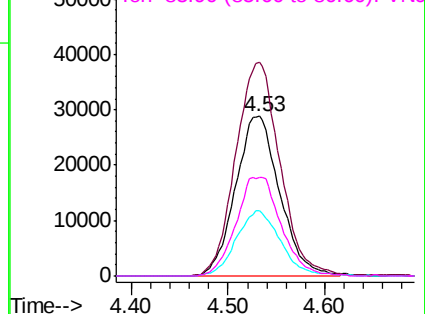


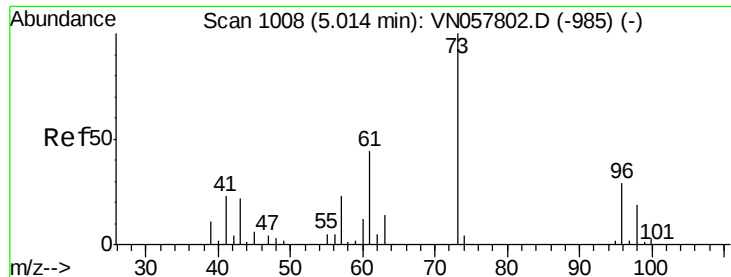
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 20.085 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampled :

VN0916WBS01

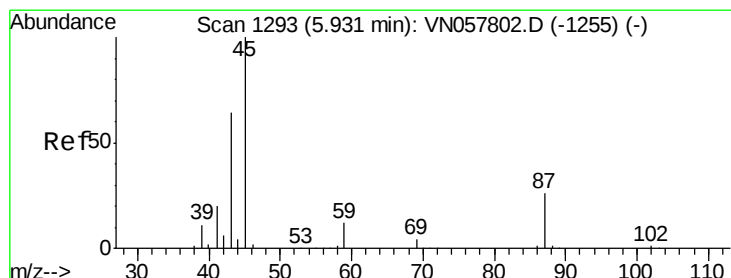
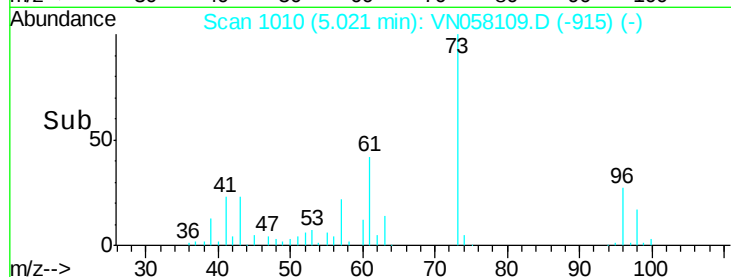
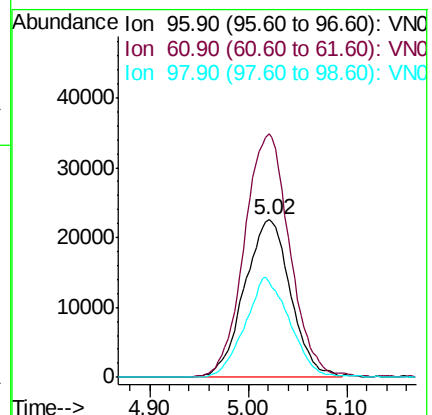
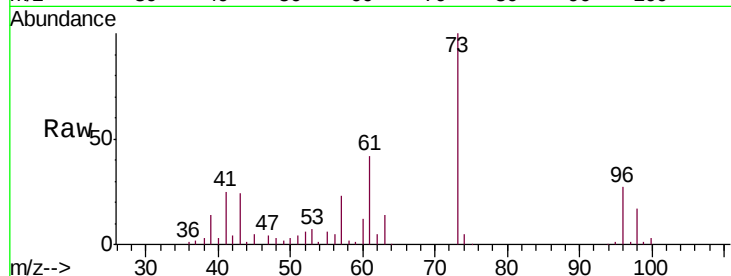
Tgt Ion: 96 Resp: 73146

Ion Ratio Lower Upper

96 100

61 154.7 121.9 182.9

98 60.7 52.2 78.4



#22

Diisopropyl ether

Concen: 21.732 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Tgt Ion: 45 Resp: 336002

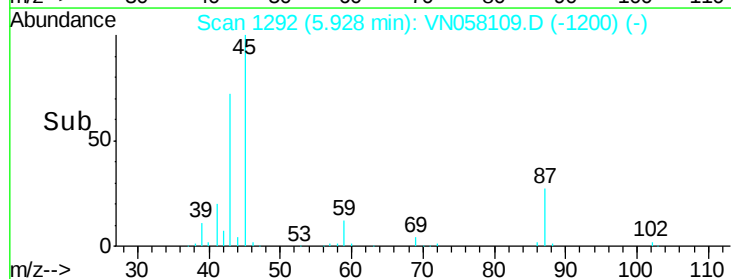
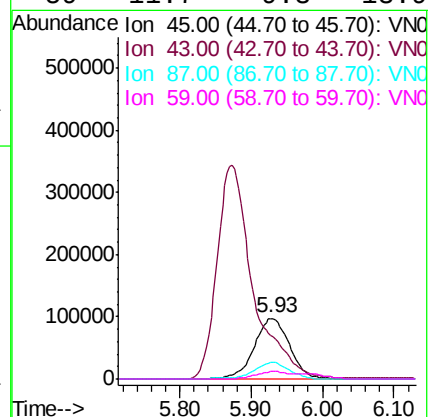
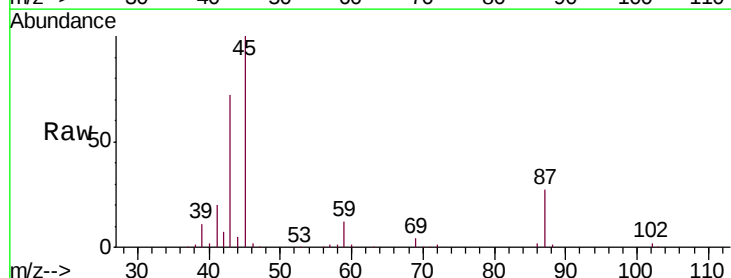
Ion Ratio Lower Upper

45 100

43 70.4 51.4 77.2

87 26.9 21.3 31.9

59 11.7 9.3 13.9





#23

Vinyl Acetate

Concen: 110.280 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

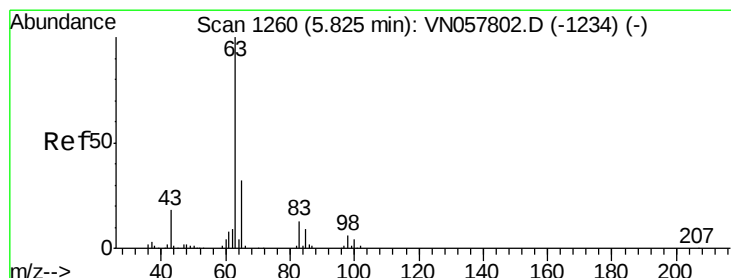
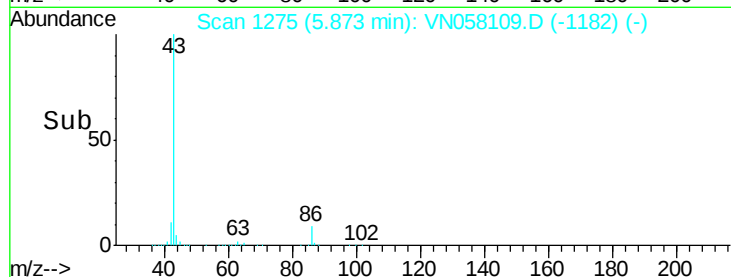
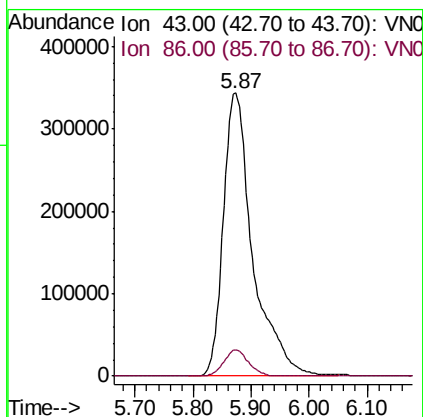
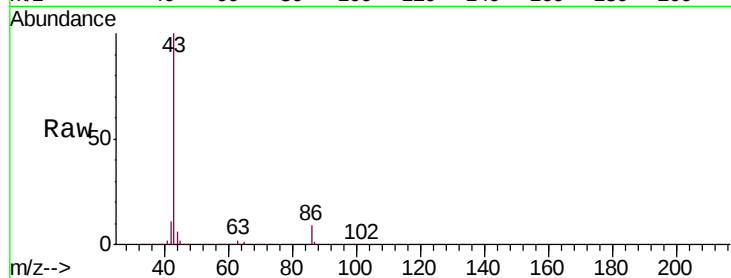
VN0916WBS01

Tgt Ion: 43 Resp: 1208357

Ion Ratio Lower Upper

43 100

86 9.3 7.7 11.5



#24

1,1-Dichloroethane

Concen: 21.688 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

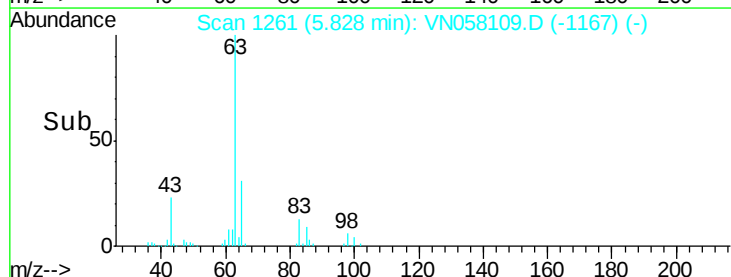
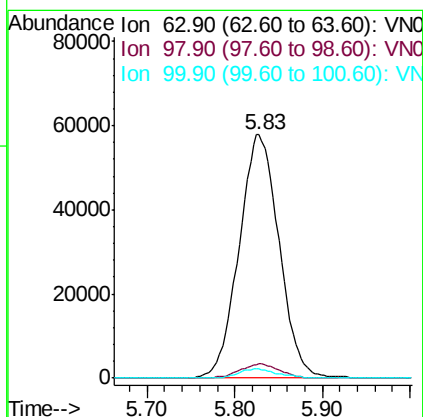
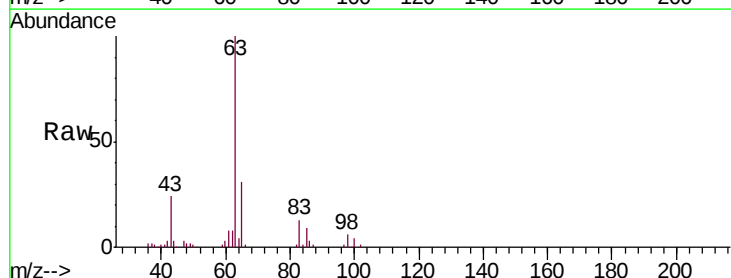
Tgt Ion: 63 Resp: 183263

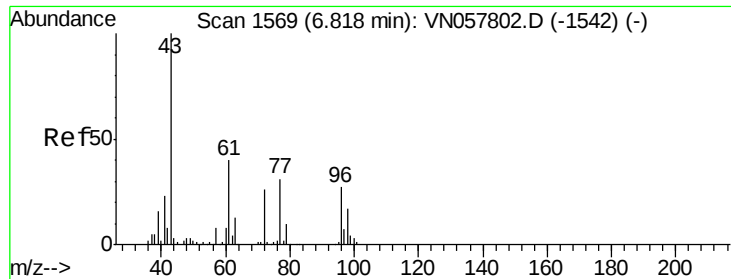
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 106.202 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

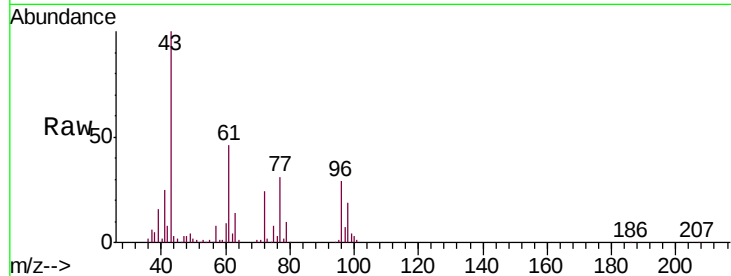
VN0916WBS01

Tgt Ion: 43 Resp: 322897

Ion Ratio Lower Upper

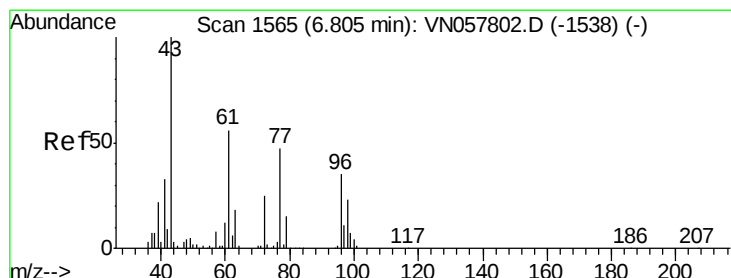
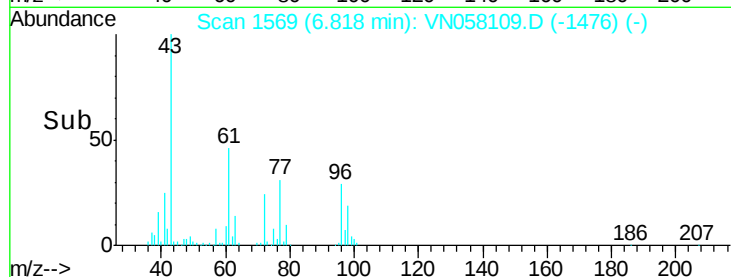
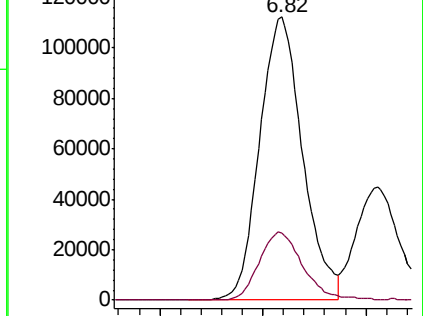
43 100

72 23.7 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.426 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058109.D

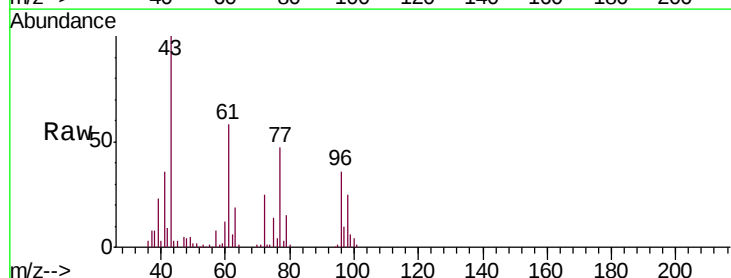
Acq: 16 Sep 2019 11:44

Tgt Ion: 77 Resp: 136592

Ion Ratio Lower Upper

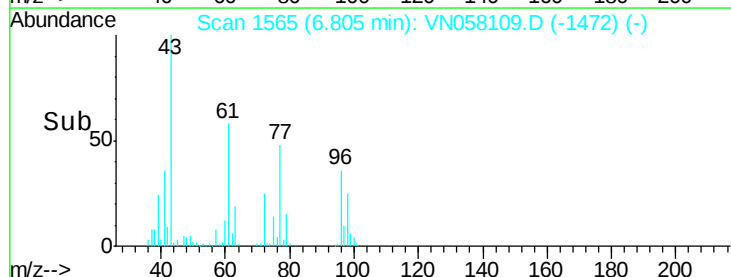
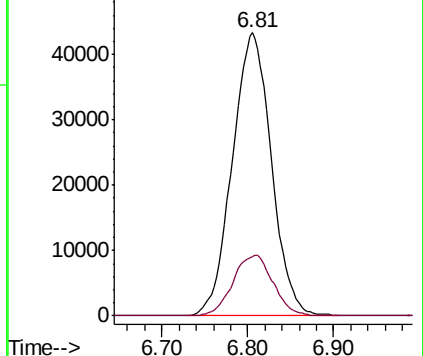
77 100

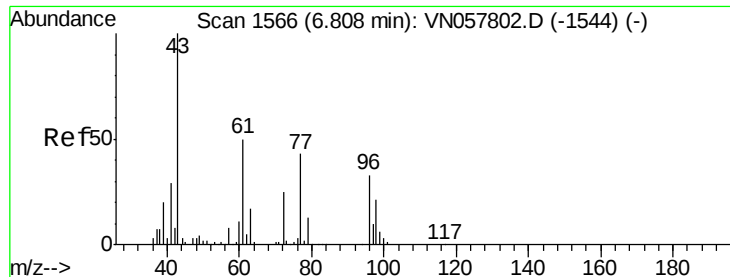
97 21.9 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

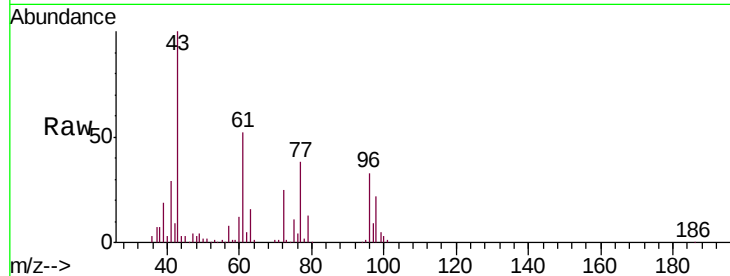




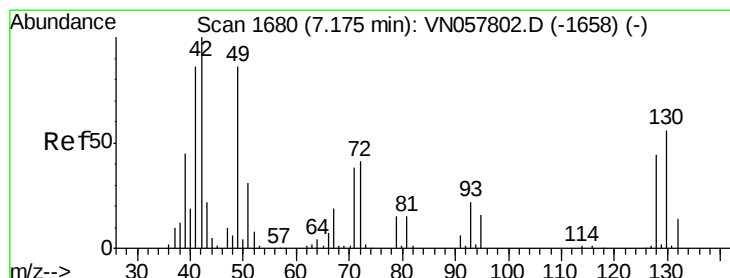
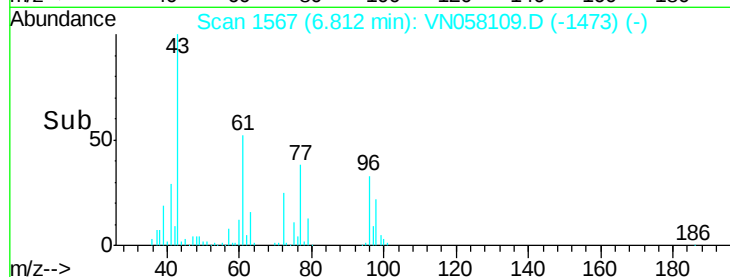
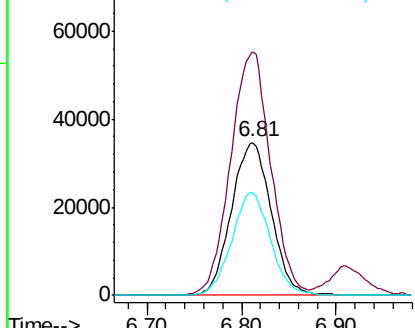
#27
 cis-1,2-Dichloroethene
 Concen: 20.768 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

Tgt Ion: 96 Resp: 101356
 Ion Ratio Lower Upper
 96 100
 61 160.5 0.0 314.0
 98 65.6 0.0 128.6

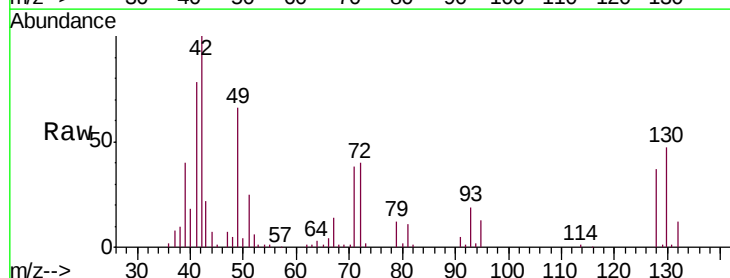


Abundance Ion 95.90 (95.60 to 96.60): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO

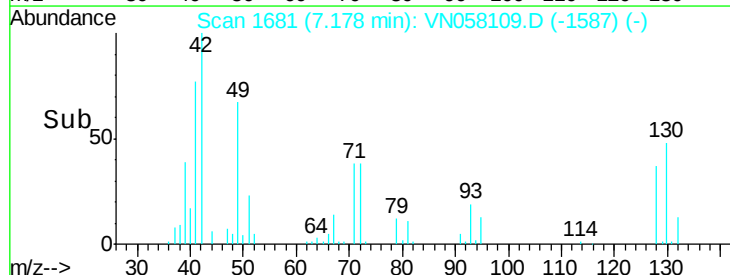
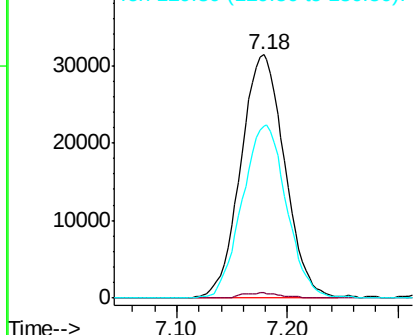


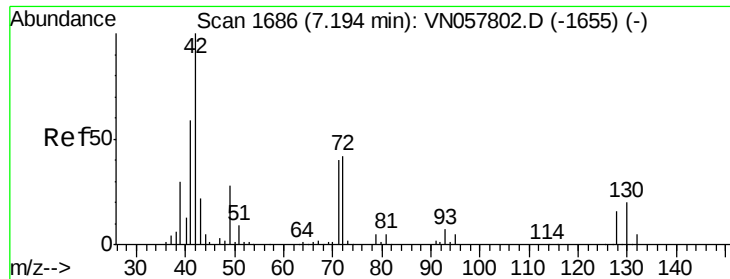
#28
 Bromochloromethane
 Concen: 20.469 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion: 49 Resp: 86410
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 3.8
 130 71.8 53.0 79.6



Abundance Ion 48.90 (48.60 to 49.60): VNO
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 104.907 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

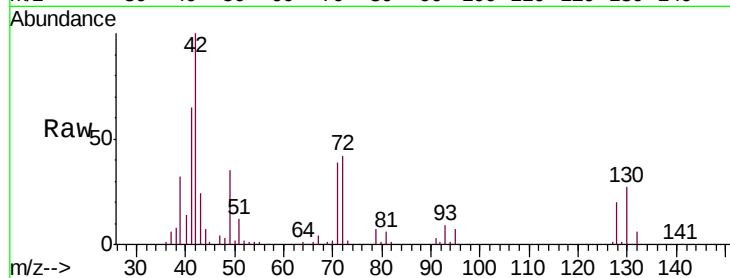
Tgt Ion: 42 Resp: 196543

Ion Ratio Lower Upper

42 100

72 42.9 33.7 50.5

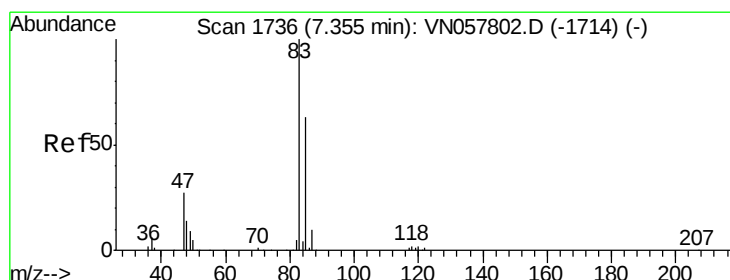
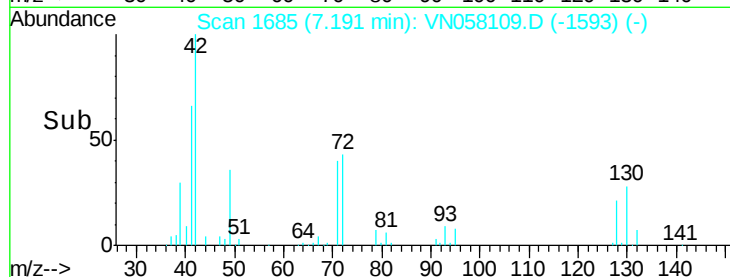
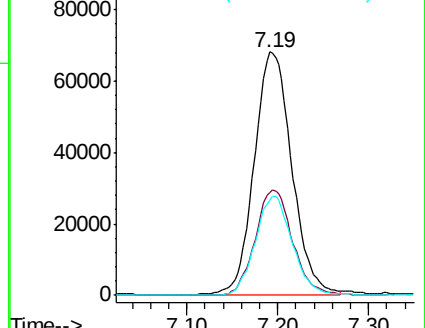
71 40.1 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.519 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN058109.D

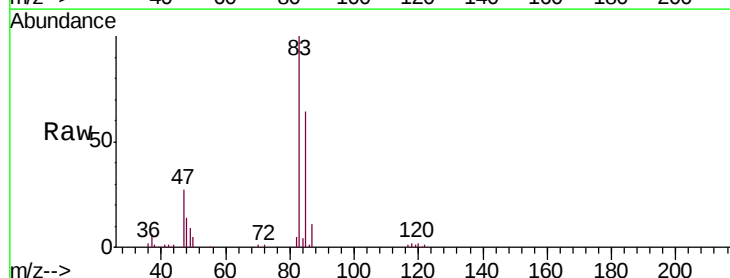
Acq: 16 Sep 2019 11:44

Tgt Ion: 83 Resp: 190118

Ion Ratio Lower Upper

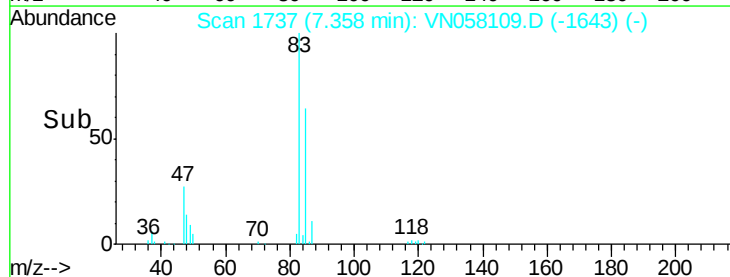
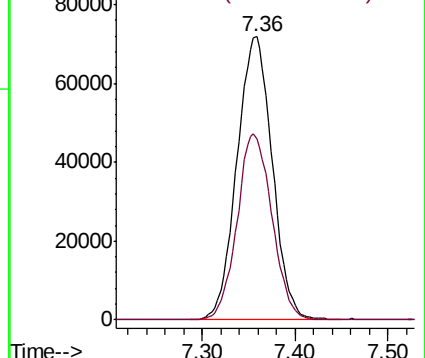
83 100

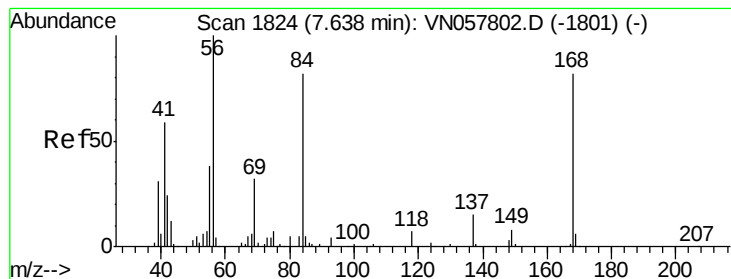
85 63.8 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.737 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

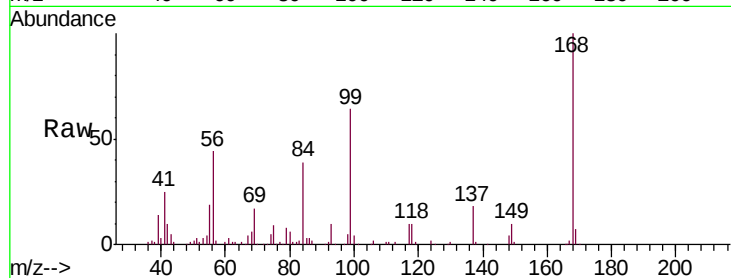
Tgt Ion: 56 Resp: 126944

Ion Ratio Lower Upper

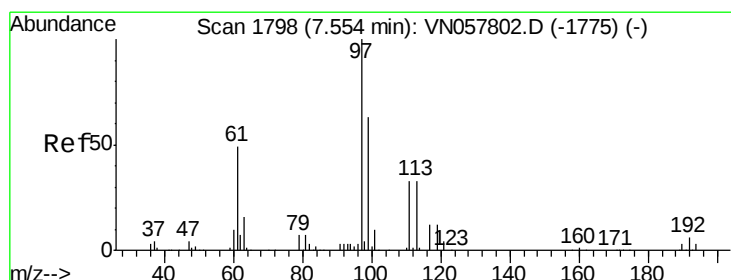
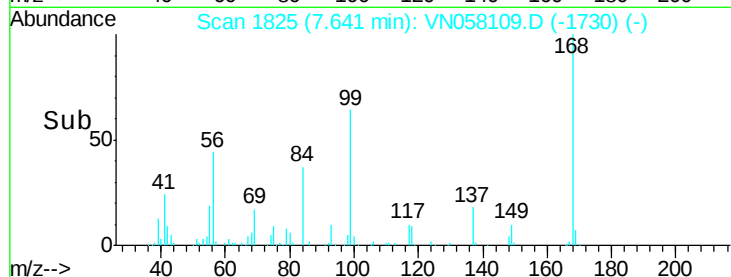
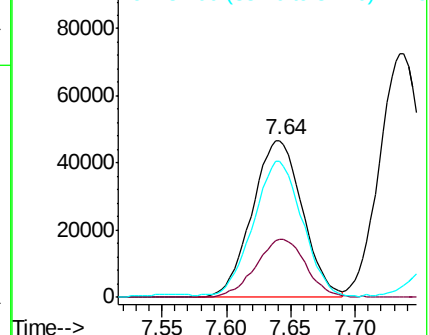
56 100

69 37.2 25.9 38.9

84 85.4 65.6 98.4



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



#32

1,1,1-Trichloroethane

Concen: 21.144 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

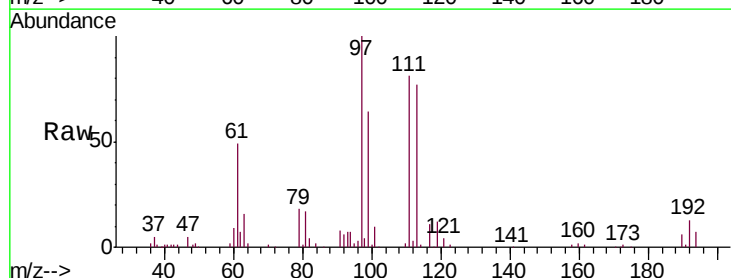
Tgt Ion: 97 Resp: 148158

Ion Ratio Lower Upper

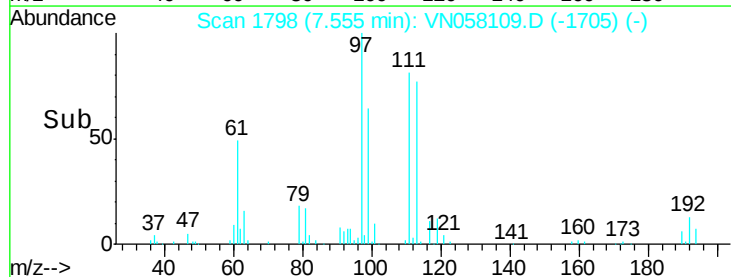
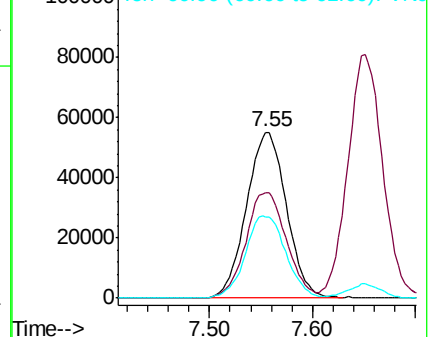
97 100

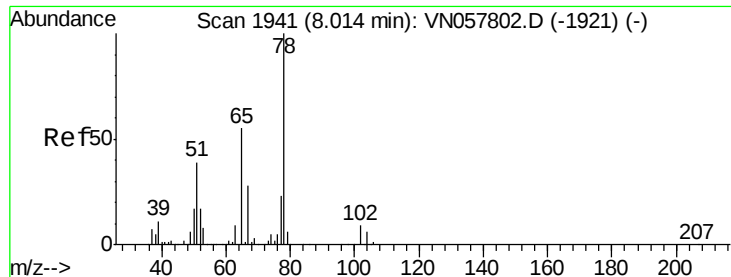
99 65.0 51.0 76.4

61 50.3 39.0 58.6



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





#33

1,2-Dichloroethane-d4

Concen: 51.678 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

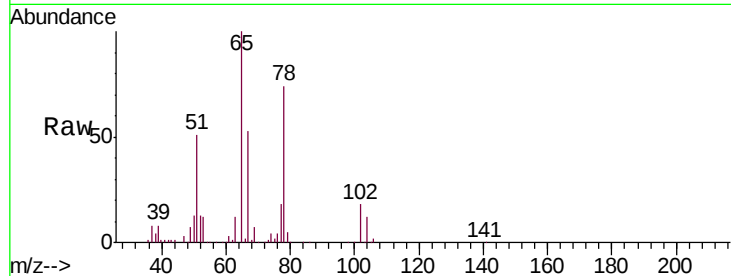
VN0916WBS01

Tgt Ion: 65 Resp: 331152

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

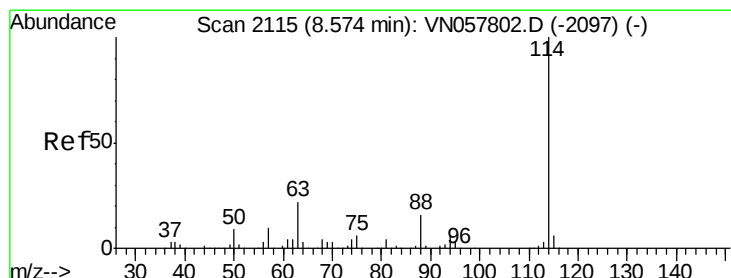
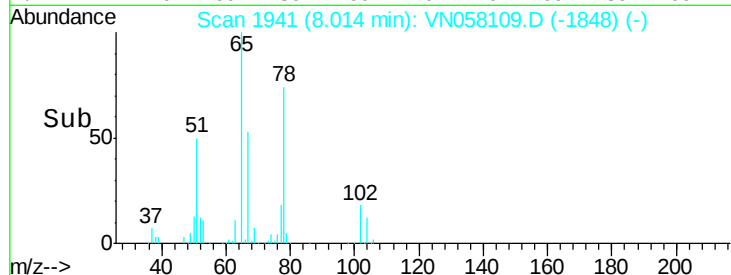
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

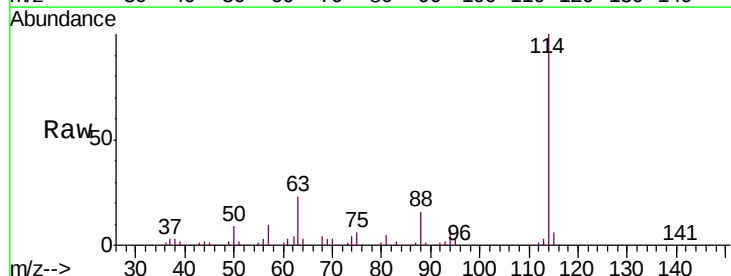
Tgt Ion: 114 Resp: 507755

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.0

88 15.9 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

300000

250000

200000

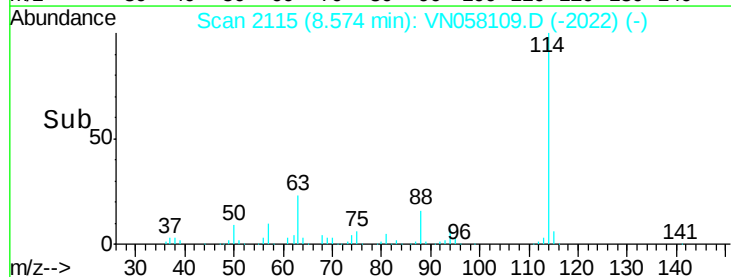
150000

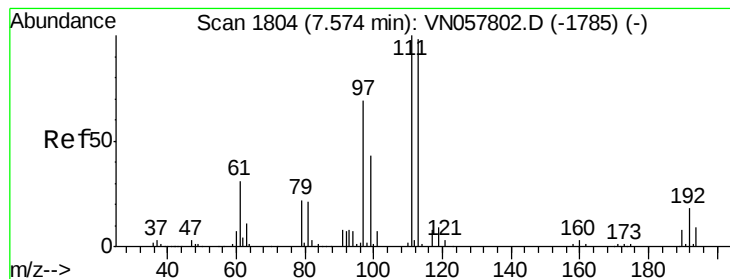
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.439 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

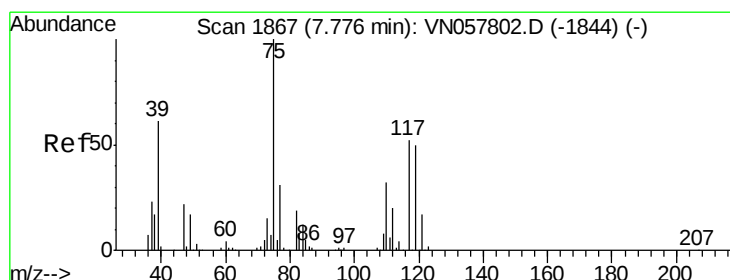
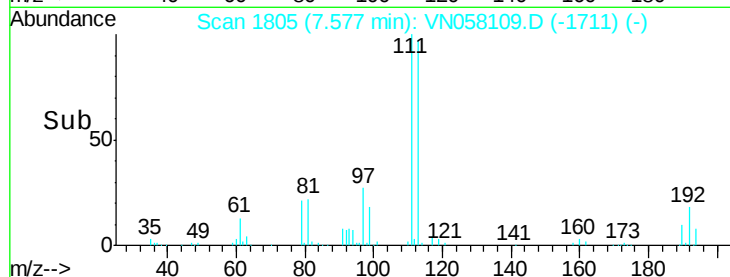
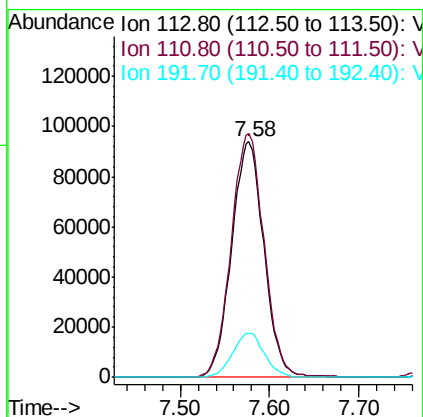
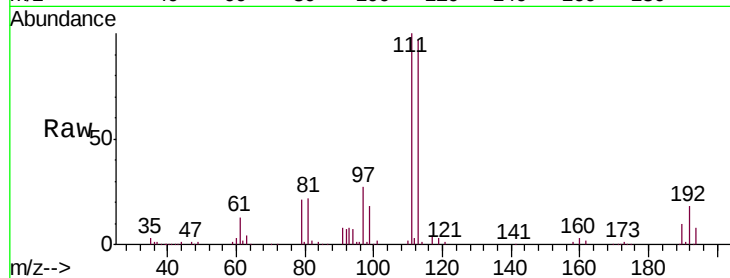
Tgt Ion:113 Resp: 236378

Ion Ratio Lower Upper

113 100

111 104.8 81.3 121.9

192 18.5 14.6 22.0



#36

1,1-Dichloropropene

Concen: 20.060 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

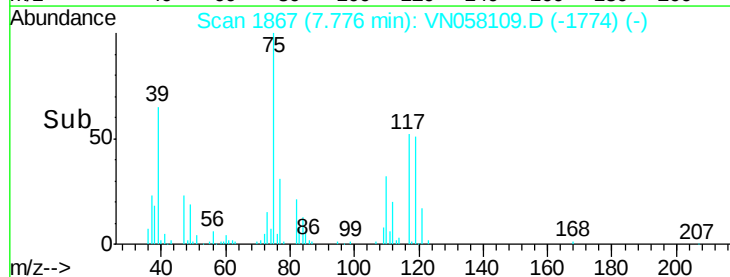
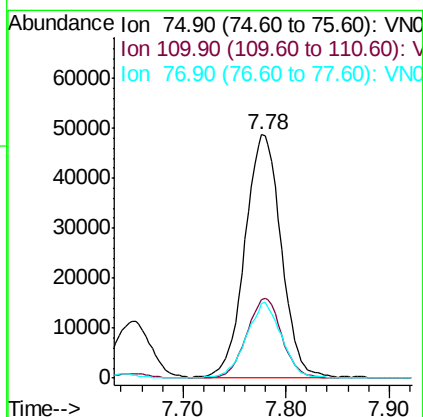
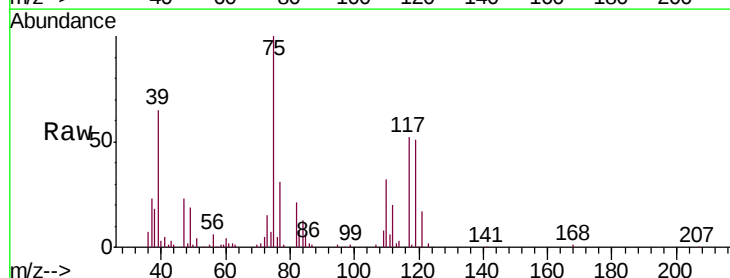
Tgt Ion: 75 Resp: 118125

Ion Ratio Lower Upper

75 100

110 31.9 16.3 48.9

77 30.5 25.0 37.4

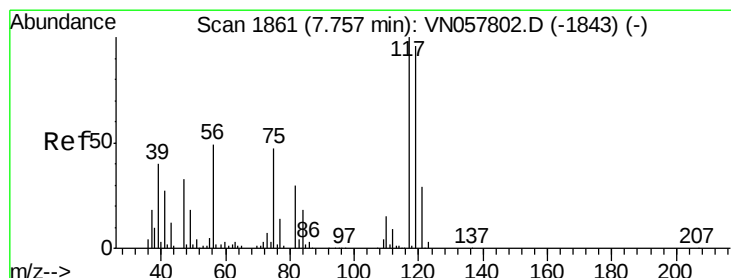
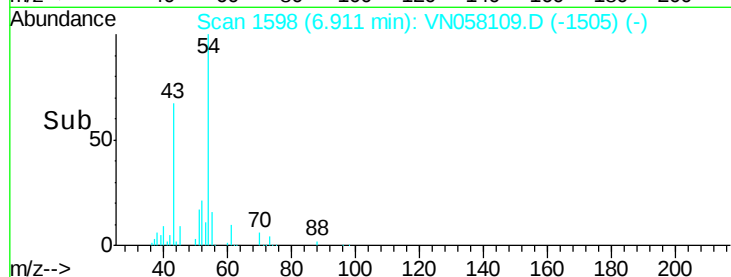
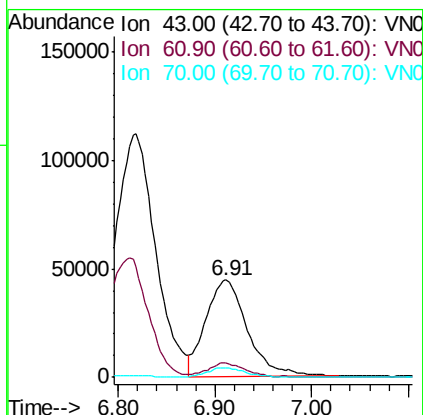
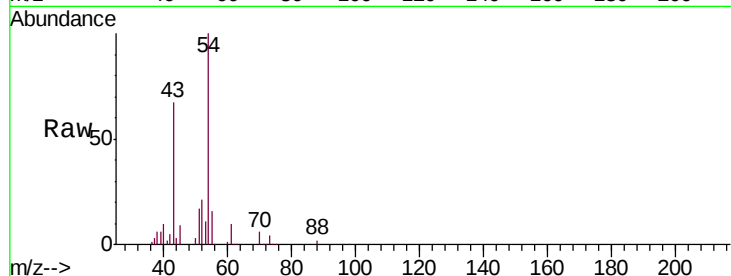




#37
 Ethyl Acetate
 Concen: 21.898 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

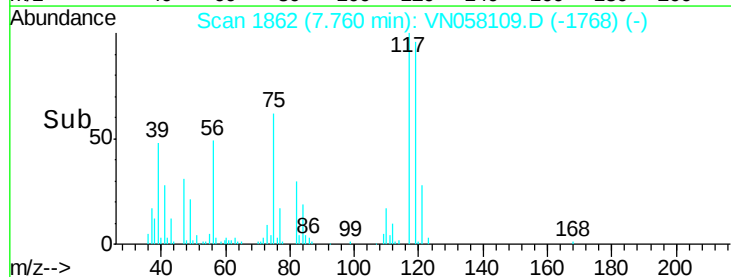
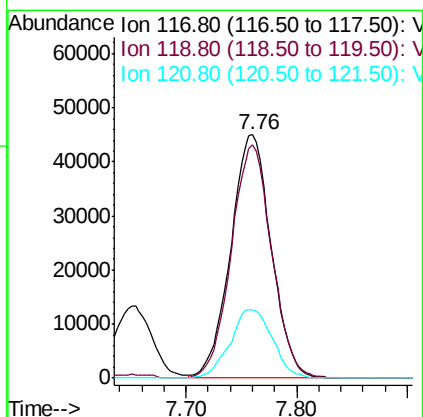
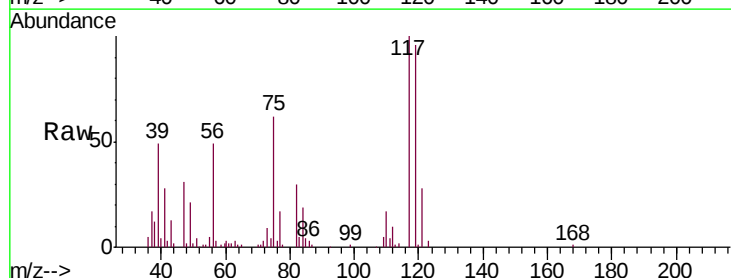
Instrument :
 MSVOA_N
 ClientSampled :
 VN0916WBS01

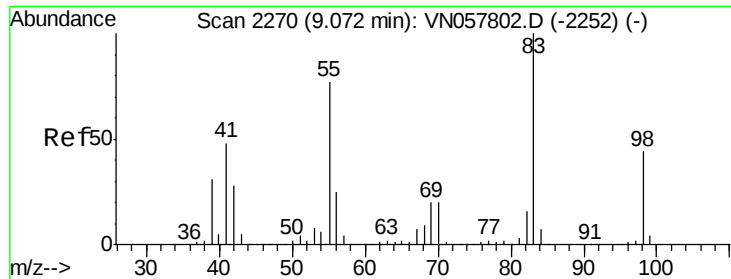
Tgt Ion: 43 Resp: 133227
 Ion Ratio Lower Upper
 43 100
 61 12.4 10.5 15.7
 70 9.3 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 21.314 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion: 117 Resp: 114589
 Ion Ratio Lower Upper
 117 100
 119 96.0 76.9 115.3
 121 27.9 23.4 35.2

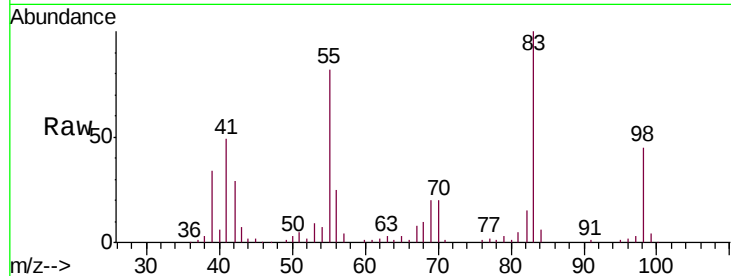




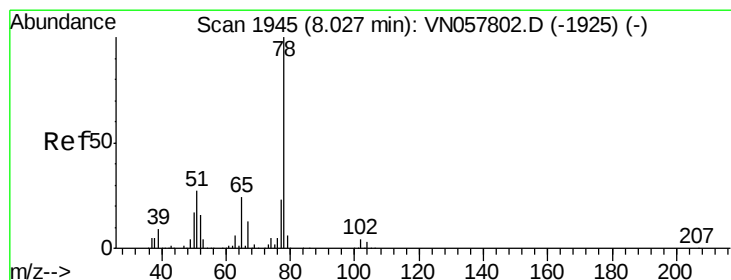
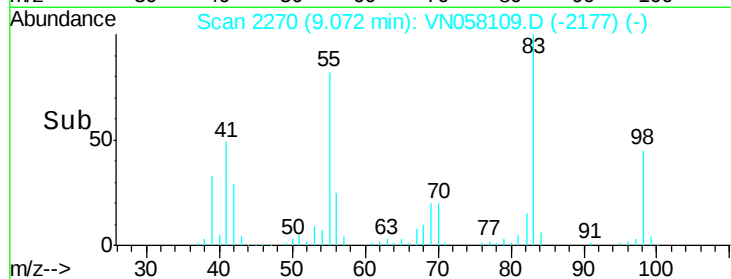
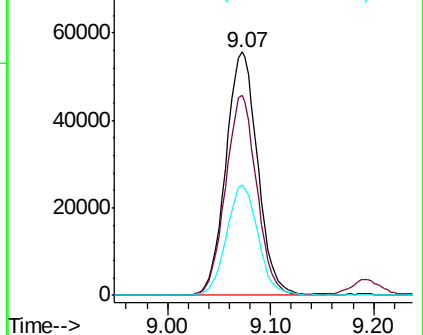
#39
Methylcyclohexane
Concen: 19.336 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

Tgt Ion: 83 Resp: 119693
Ion Ratio Lower Upper
83 100
55 82.1 61.6 92.4
98 45.2 34.9 52.3

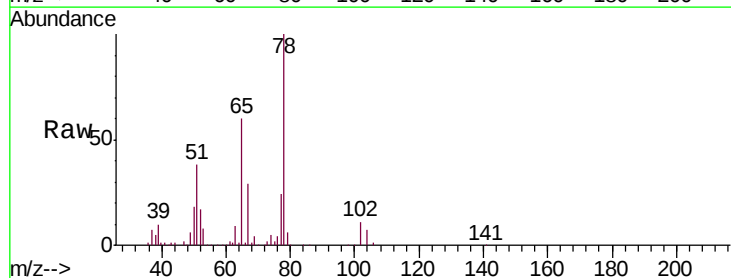


Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 55.00 (54.70 to 55.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

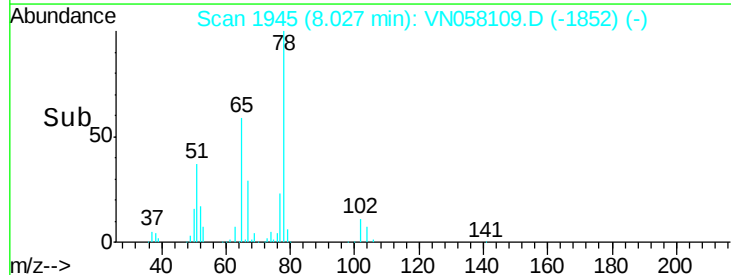
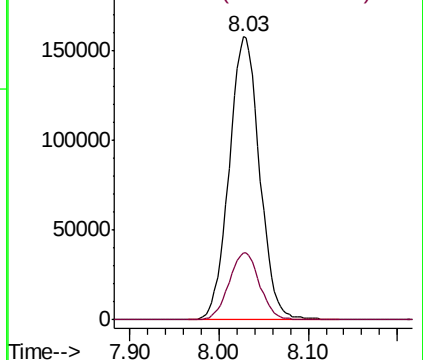


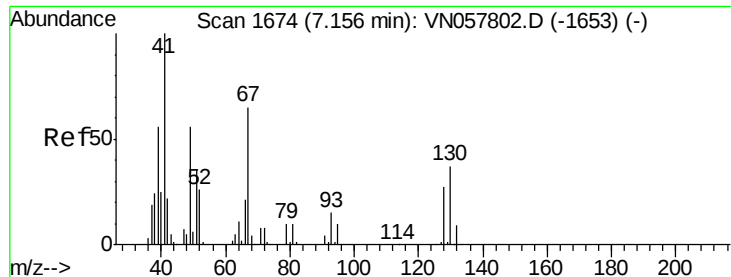
#40
Benzene
Concen: 21.079 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

Tgt Ion: 78 Resp: 373695
Ion Ratio Lower Upper
78 100
77 23.7 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VNC
Ion 77.00 (76.70 to 77.70): VNC





#41

Methacrylonitrile

Concen: 21.950 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampled :

VN0916WBS01

Tgt Ion: 41 Resp: 60621

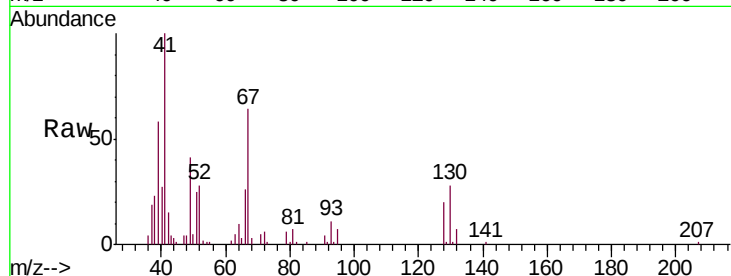
Ion Ratio Lower Upper

41 100

39 0.0 51.0 76.6#

67 86.3 70.7 106.1

52 40.6 30.8 46.2

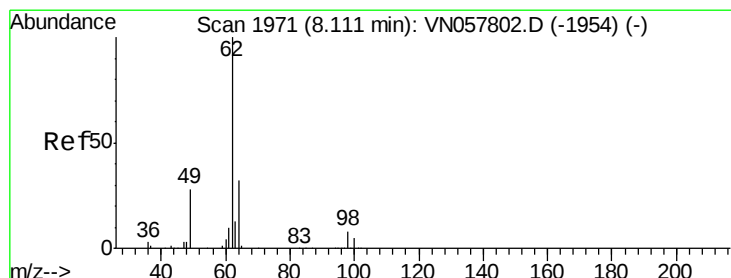
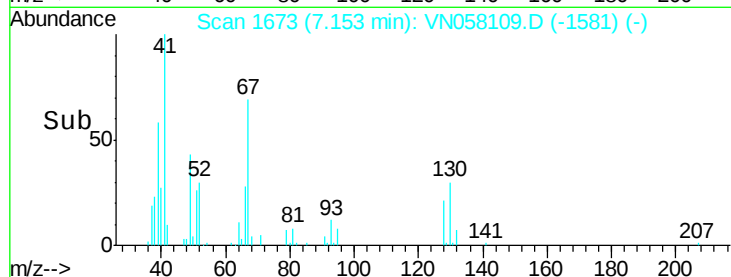
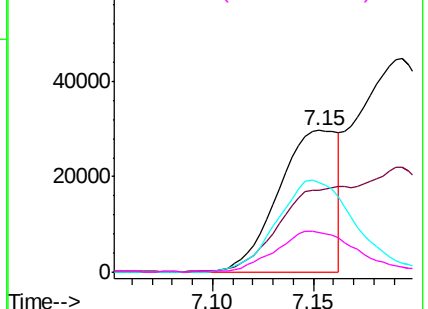


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.866 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058109.D

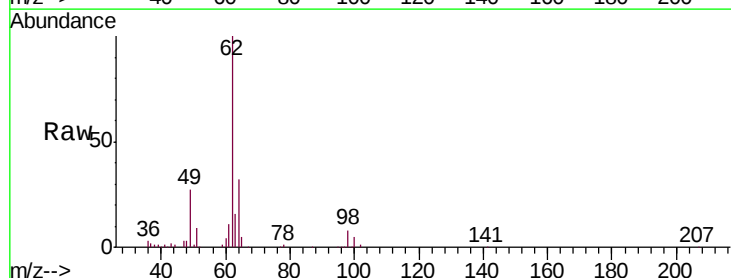
Acq: 16 Sep 2019 11:44

Tgt Ion: 62 Resp: 155038

Ion Ratio Lower Upper

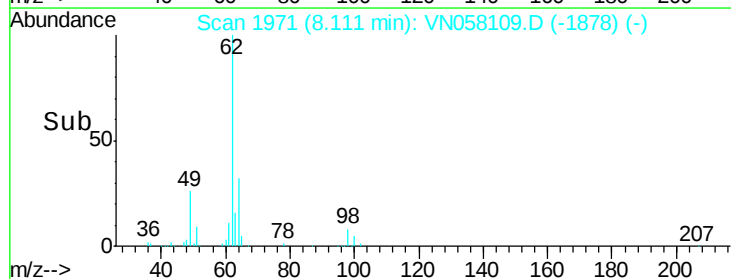
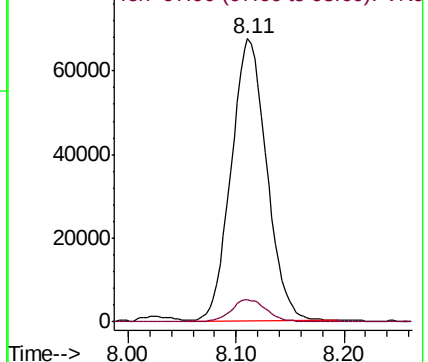
62 100

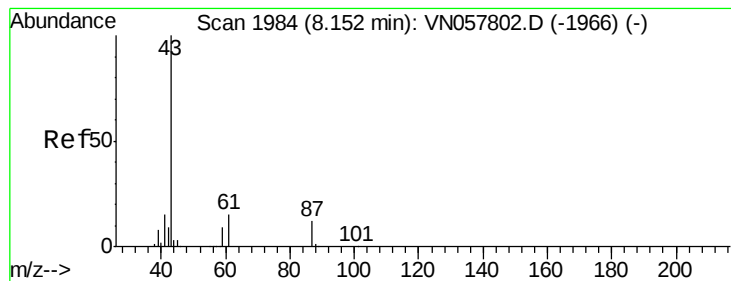
98 7.9 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



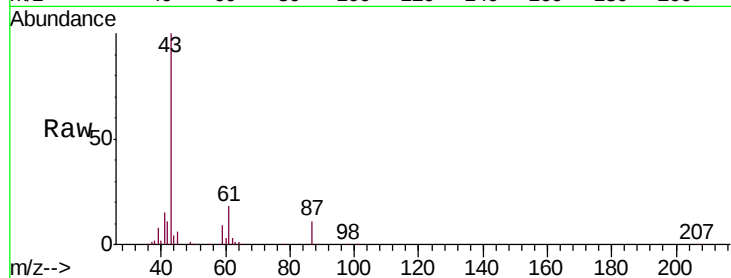


#43

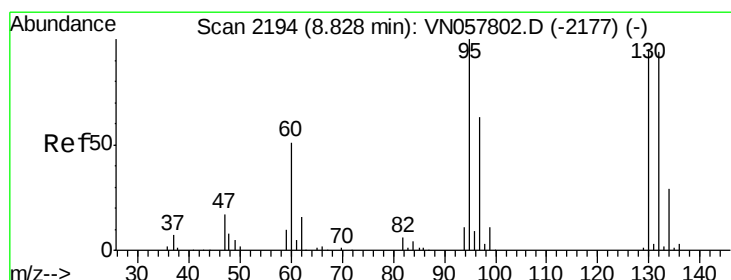
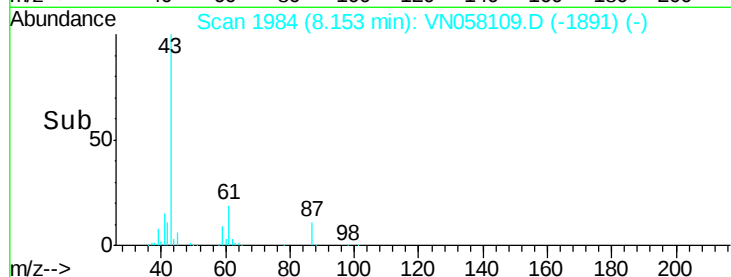
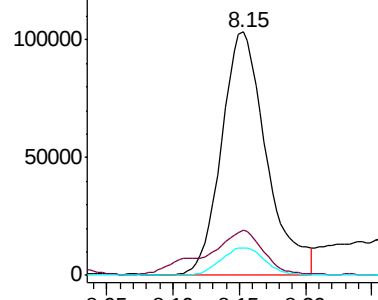
Isopropyl Acetate
 Concen: 23.679 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0916WBS01

Tgt Ion: 43 Resp: 242272
 Ion Ratio Lower Upper
 43 100
 61 23.3 20.1 30.1
 87 11.1 9.5 14.3



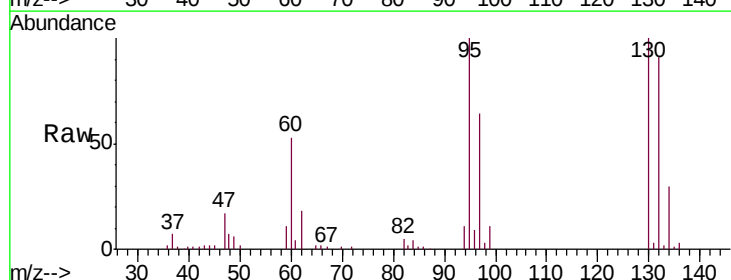
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



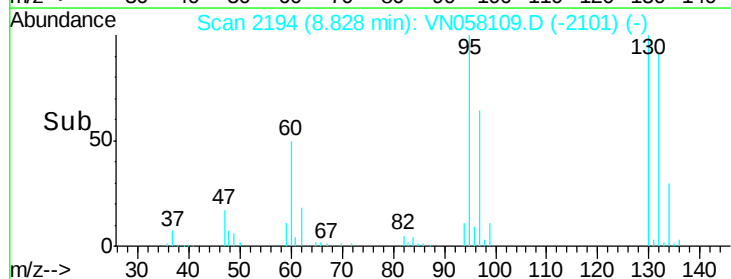
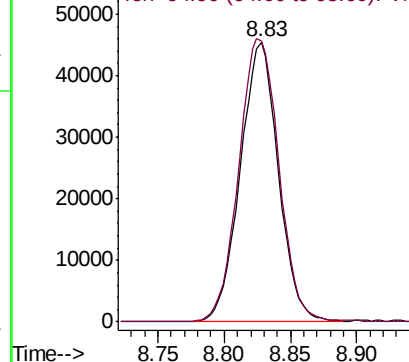
#44

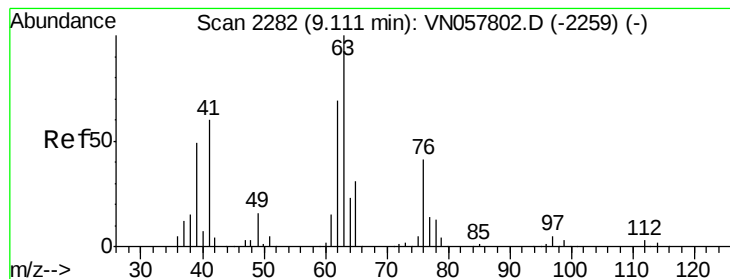
Trichloroethene
 Concen: 20.872 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion: 130 Resp: 90758
 Ion Ratio Lower Upper
 130 100
 95 100.4 0.0 211.4



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





#45

1,2-Dichloropropane

Concen: 21.595 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

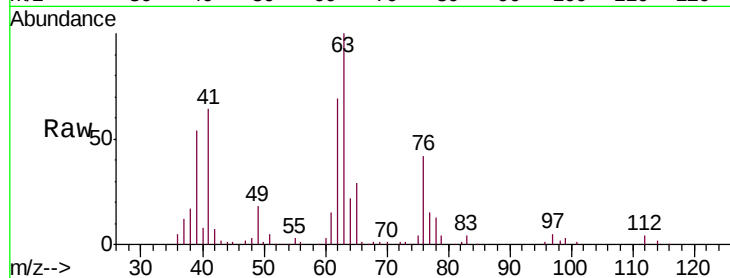
VN0916WBS01

Tgt Ion: 63 Resp: 111403

Ion Ratio Lower Upper

63 100

65 28.5 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

60000

50000

40000

30000

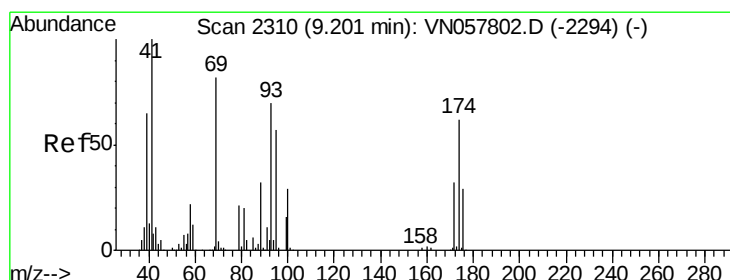
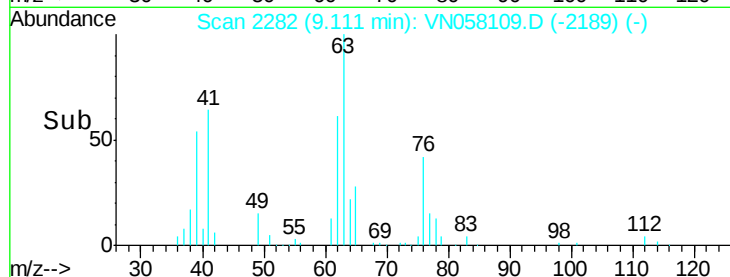
20000

10000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#46

Dibromomethane

Concen: 22.082 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

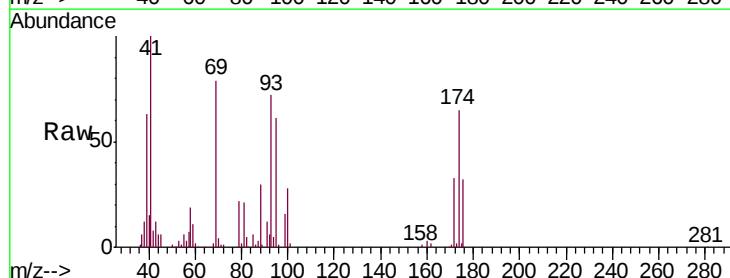
Tgt Ion: 93 Resp: 68836

Ion Ratio Lower Upper

93 100

95 82.2 65.9 98.9

174 90.4 71.8 107.6



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

40000

30000

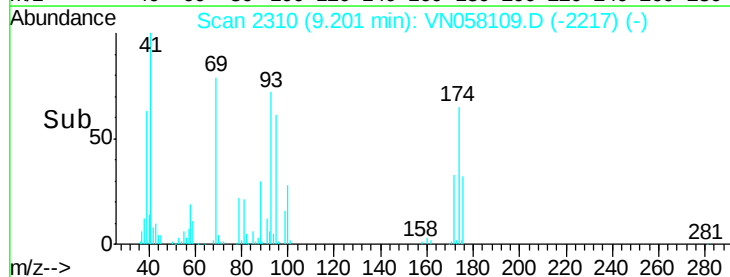
20000

10000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 22.277 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

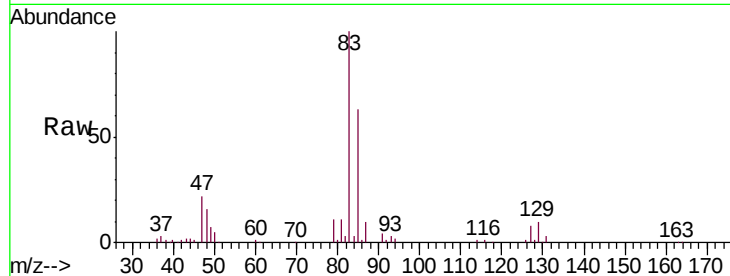
Tgt Ion: 83 Resp: 138672

Ion Ratio Lower Upper

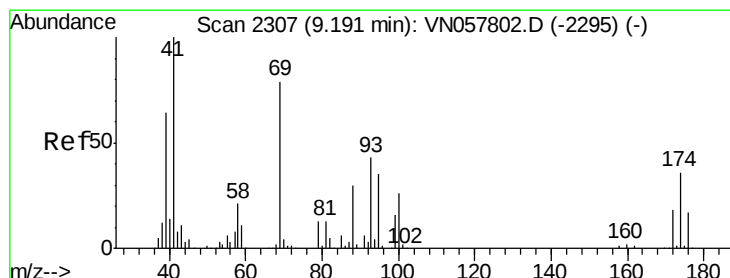
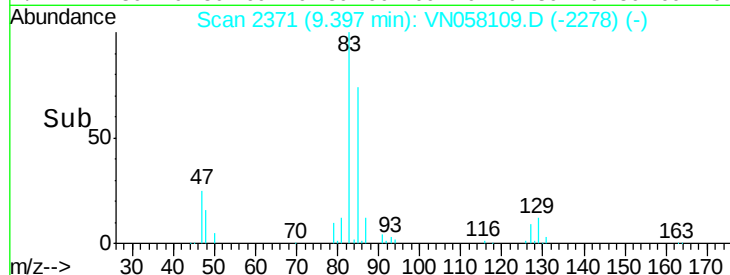
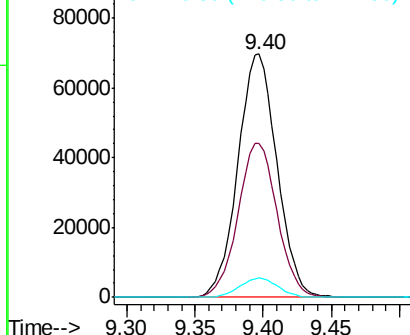
83 100

85 63.2 49.9 74.9

127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.322 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

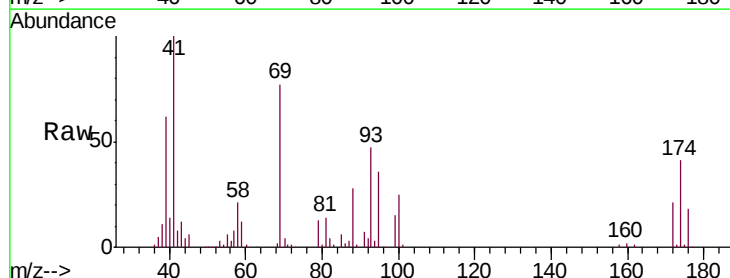
Tgt Ion: 41 Resp: 110662

Ion Ratio Lower Upper

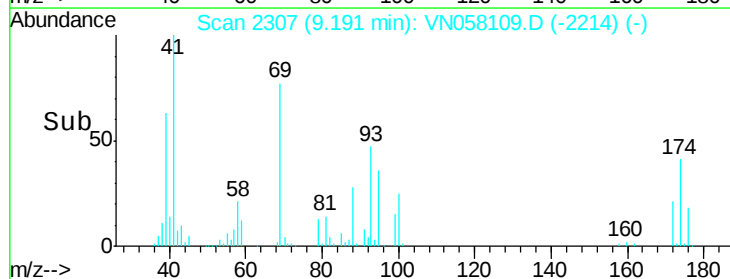
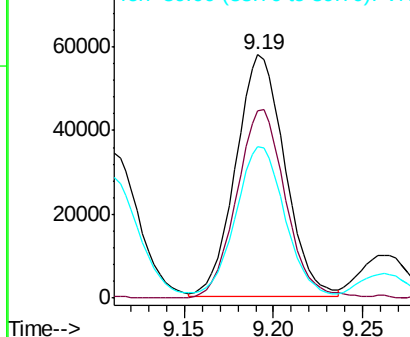
41 100

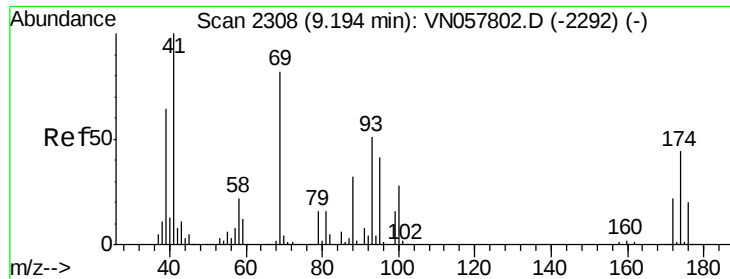
69 77.1 62.7 94.1

39 62.8 52.7 79.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

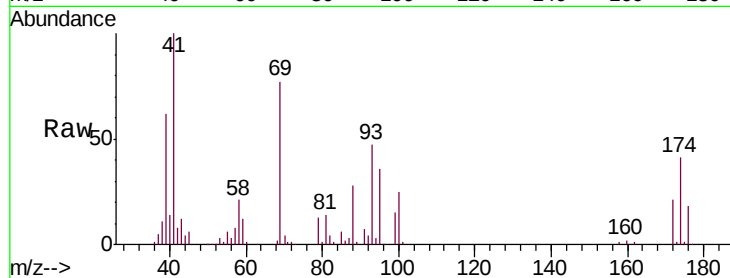




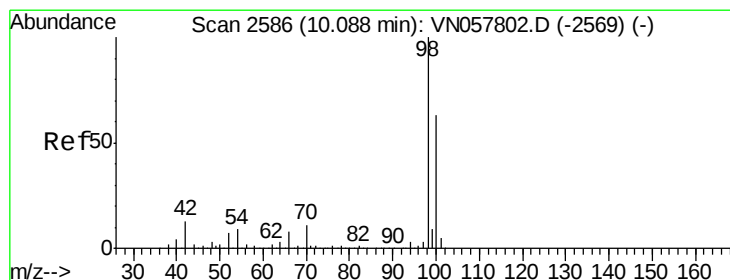
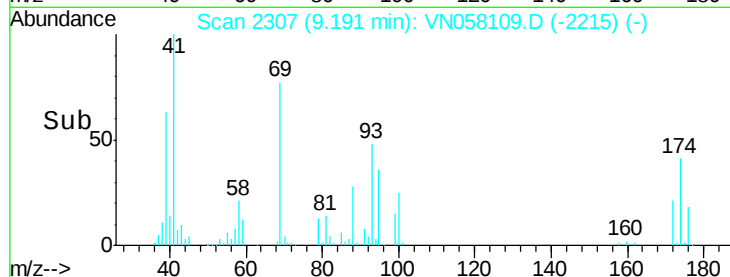
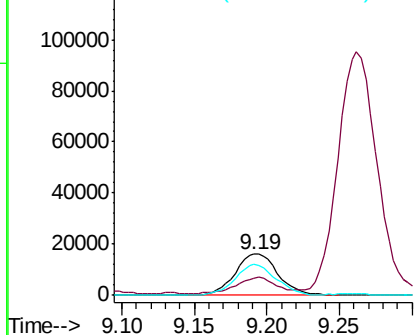
#49
 1,4-Dioxane
 Concen: 379.729 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

Tgt Ion: 88 Resp: 33328
 Ion Ratio Lower Upper
 88 100
 43 34.6 28.5 42.7
 58 72.3 55.8 83.6

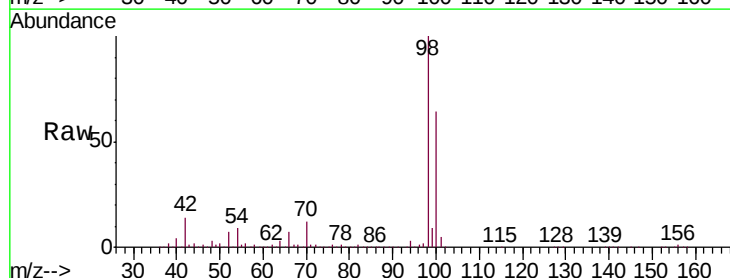


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

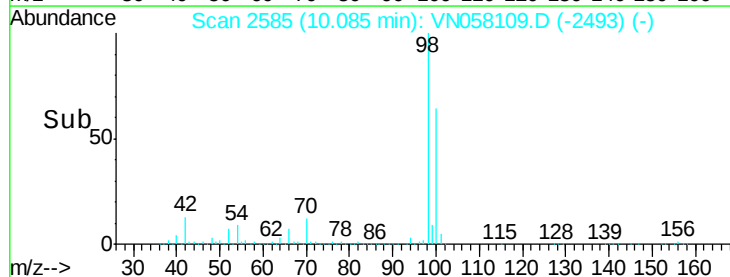
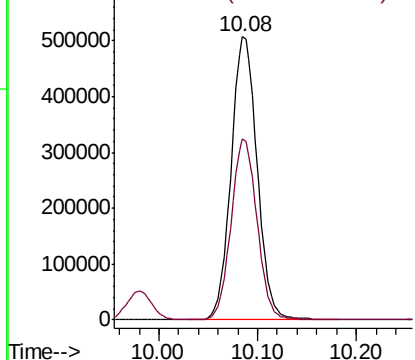


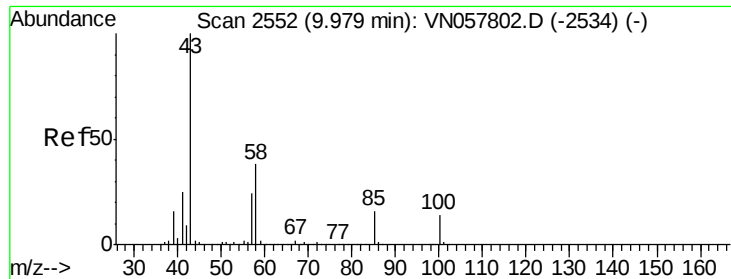
#50
 Toluene-d8
 Concen: 51.445 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion: 98 Resp: 936049
 Ion Ratio Lower Upper
 98 100
 100 63.1 50.3 75.5



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

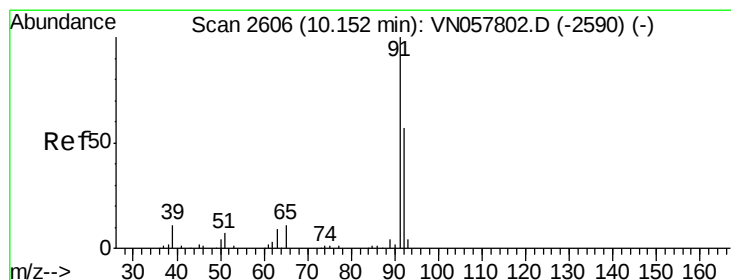
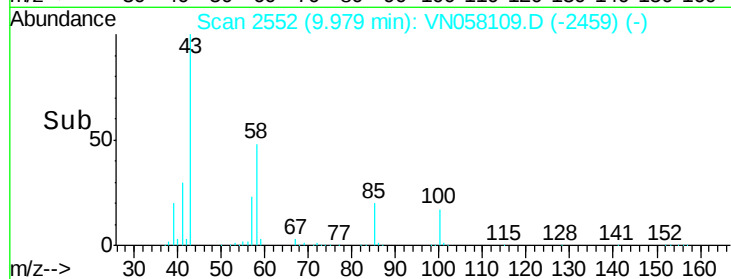
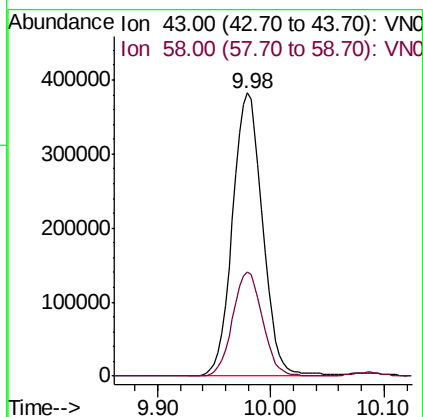
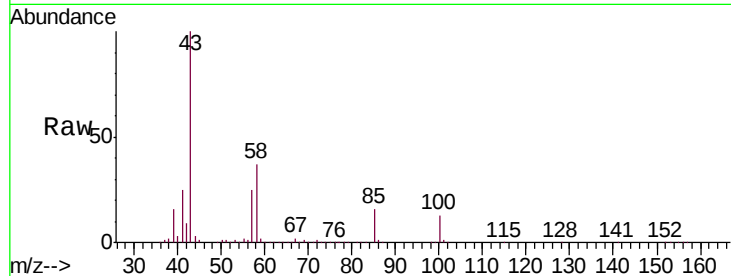




#51
 4-Methyl-2-Pentanone
 Concen: 116.473 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

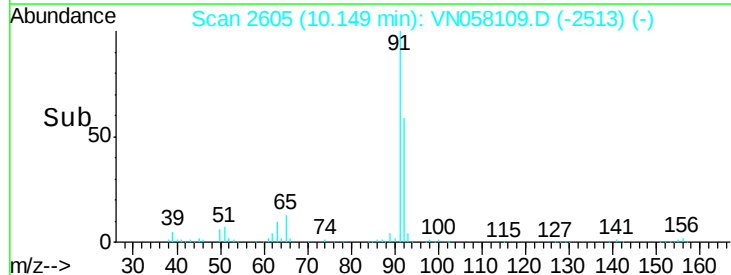
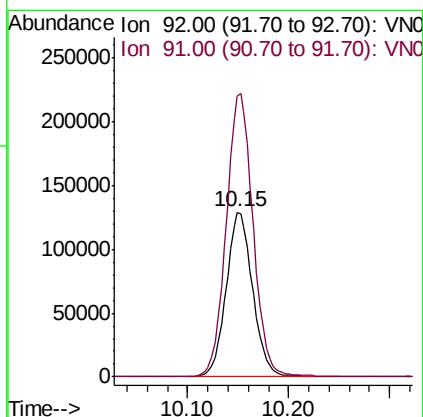
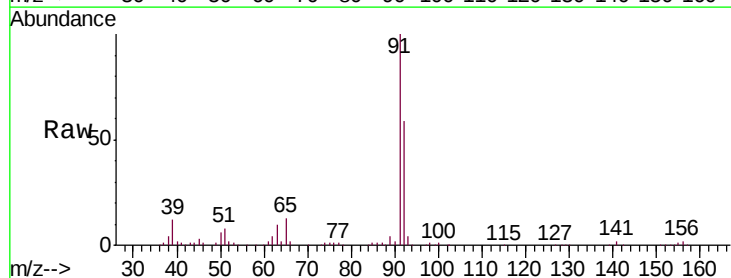
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

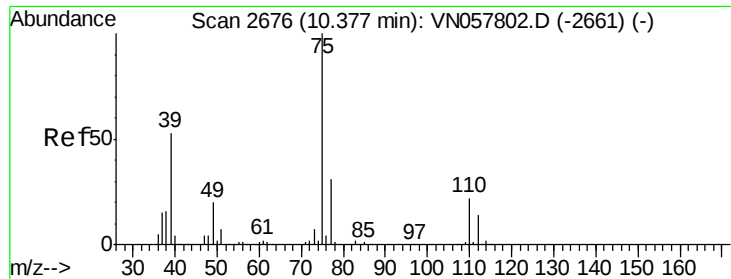
Tgt Ion: 43 Resp: 705198
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.8 44.6



#52
 Toluene
 Concen: 21.254 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion: 92 Resp: 237325
 Ion Ratio Lower Upper
 92 100
 91 173.5 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 21.161 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

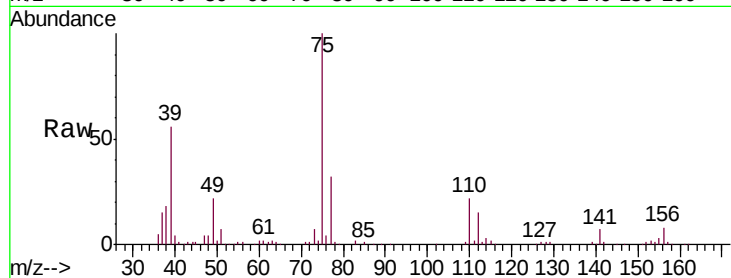
VN0916WBS01

Tgt Ion: 75 Resp: 138718

Ion Ratio Lower Upper

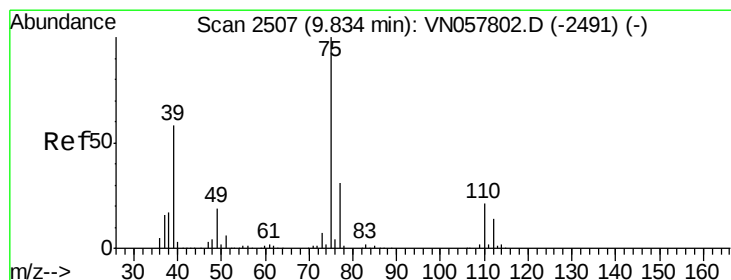
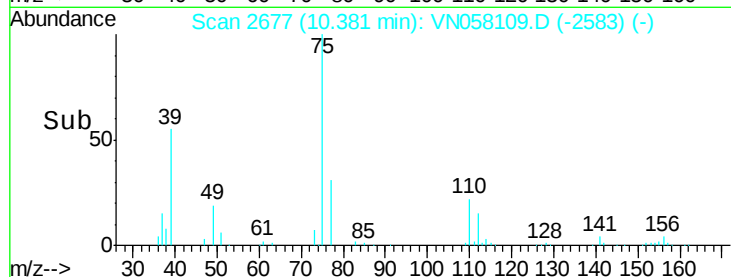
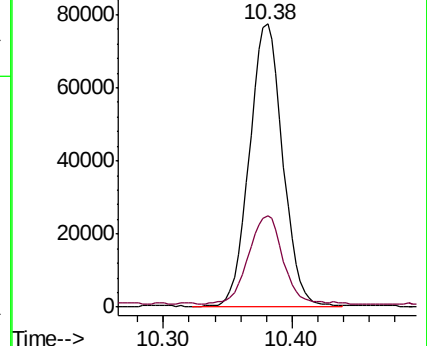
75 100

77 31.1 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.462 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

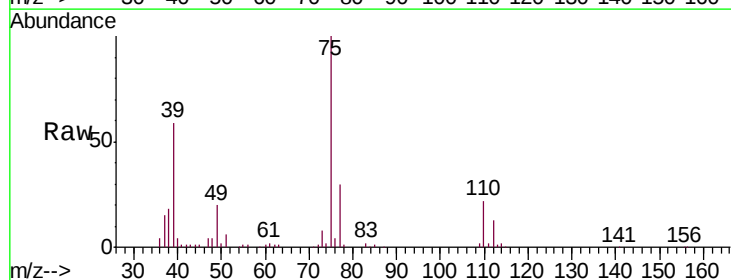
Tgt Ion: 75 Resp: 155333

Ion Ratio Lower Upper

75 100

77 30.5 24.8 37.2

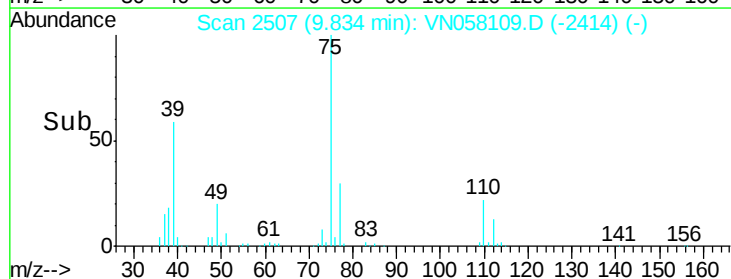
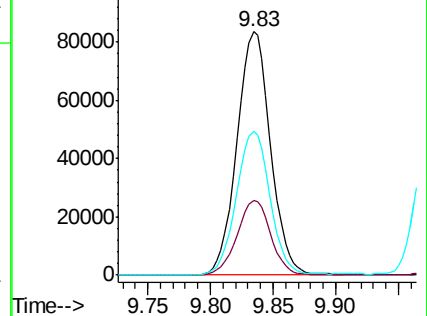
39 58.8 46.2 69.4

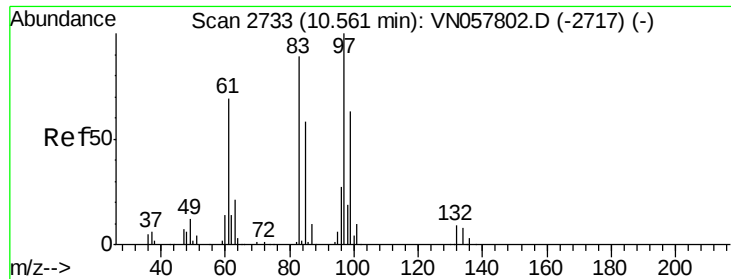


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 22.615 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

Tgt Ion: 97 Resp: 106966

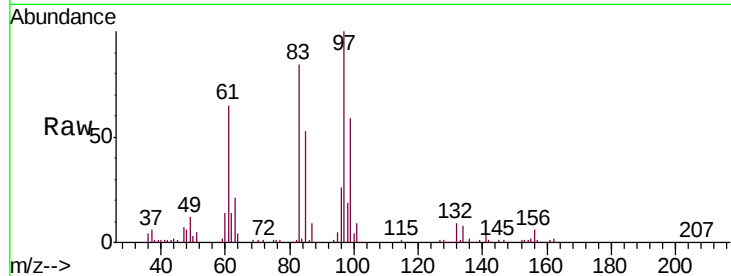
Ion Ratio Lower Upper

97 100

83 84.4 70.8 106.2

85 53.4 46.0 69.0

99 58.8 50.6 76.0

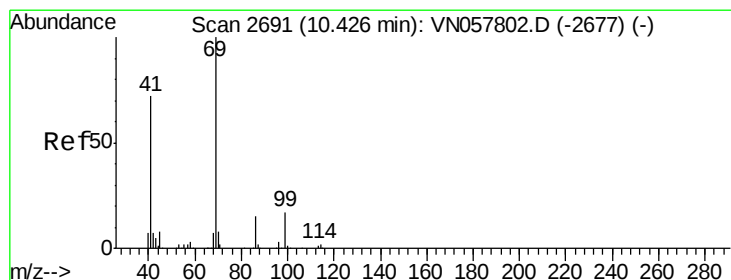
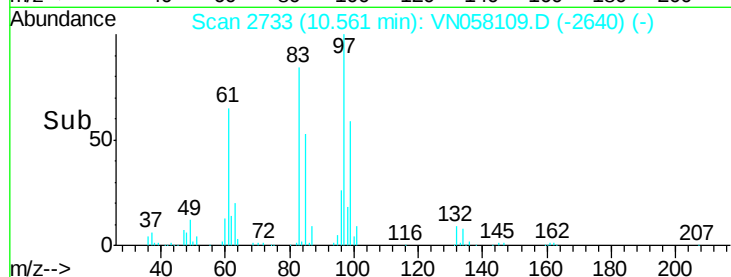
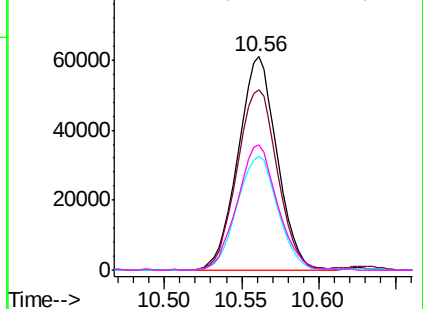


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.599 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

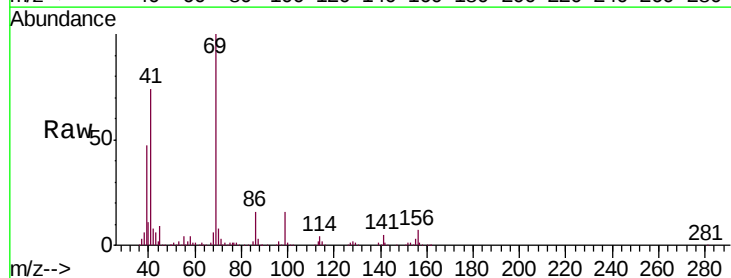
Tgt Ion: 69 Resp: 153843

Ion Ratio Lower Upper

69 100

41 73.2 56.7 85.1

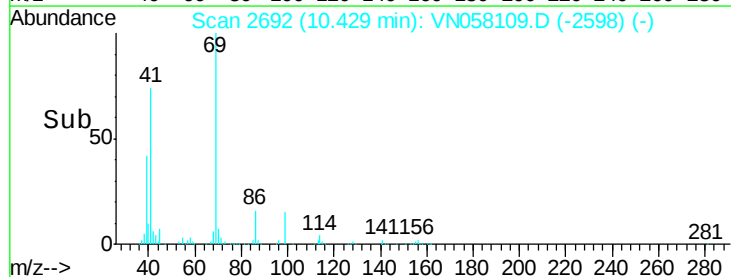
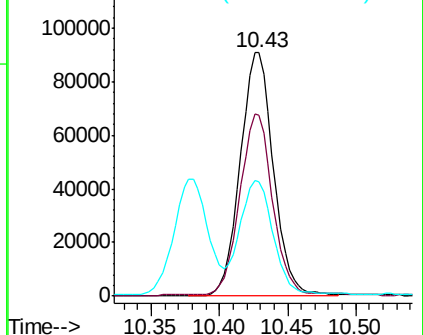
39 47.3 36.3 54.5



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.552 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

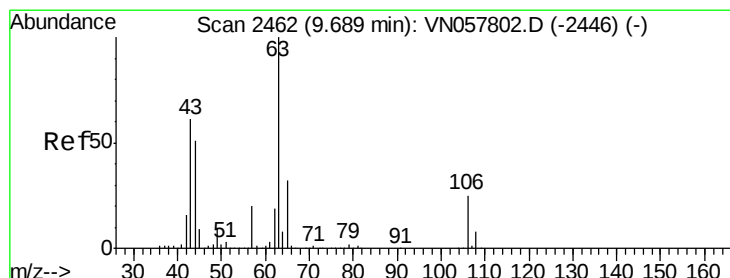
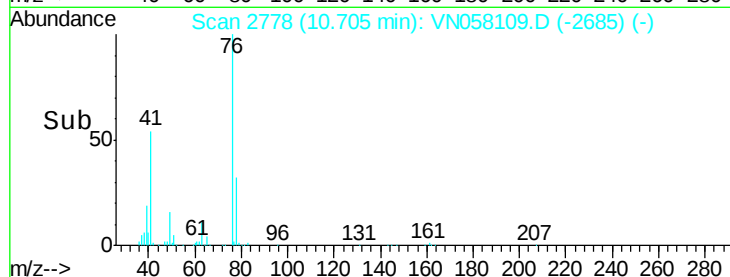
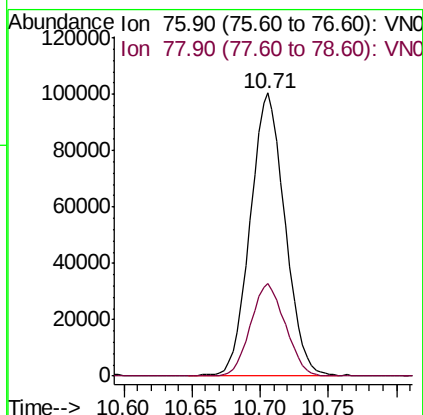
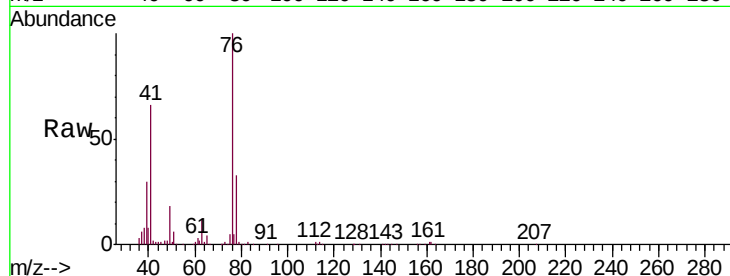
VN0916WBS01

Tgt Ion: 76 Resp: 175678

Ion Ratio Lower Upper

76 100

78 33.2 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 99.715 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058109.D

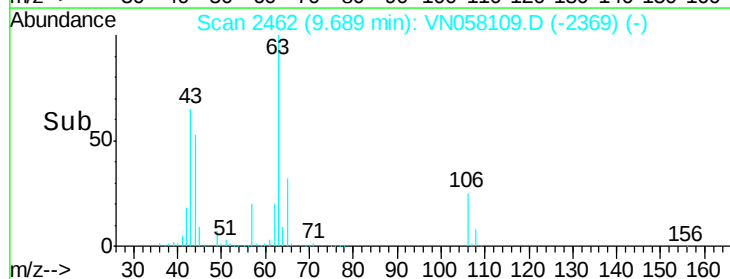
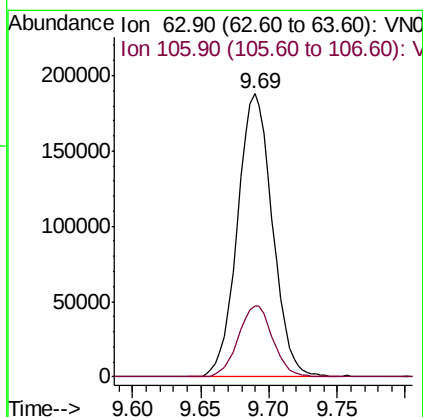
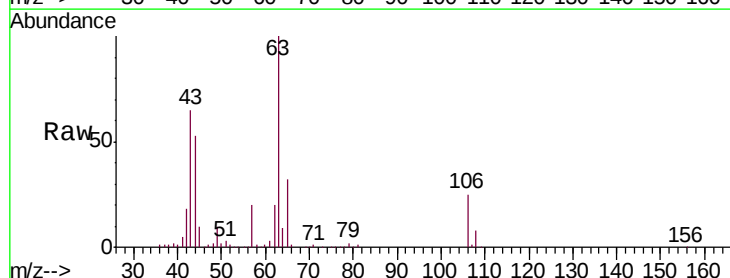
Acq: 16 Sep 2019 11:44

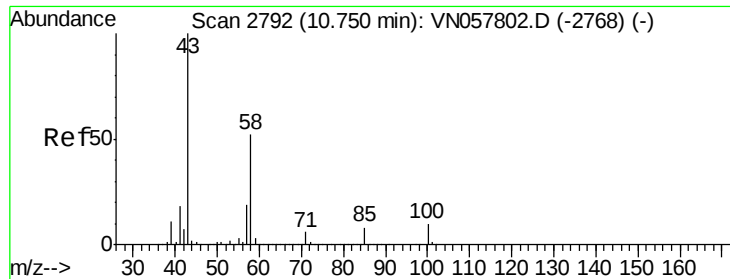
Tgt Ion: 63 Resp: 334515

Ion Ratio Lower Upper

63 100

106 24.8 20.0 30.0

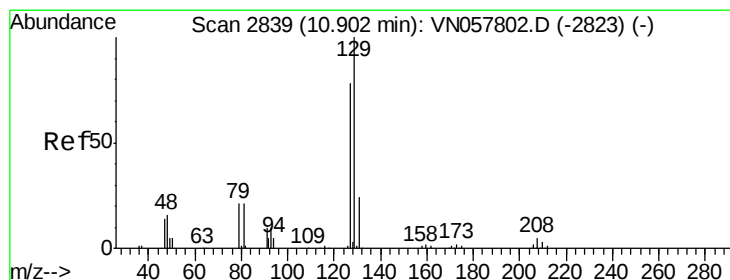
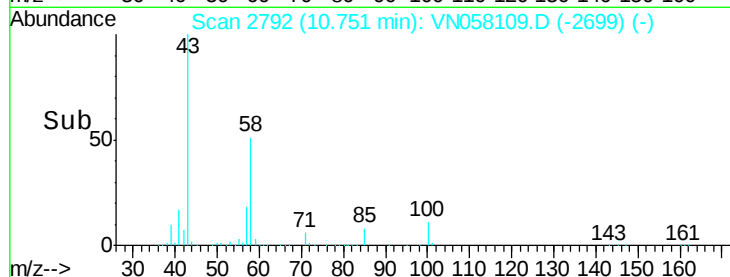
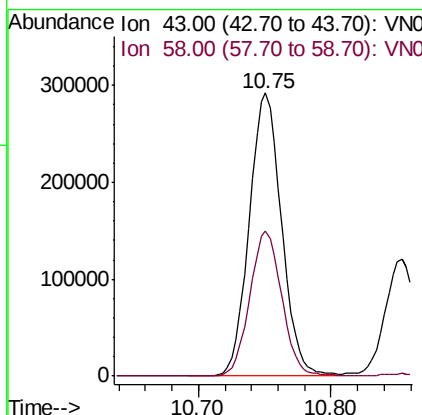
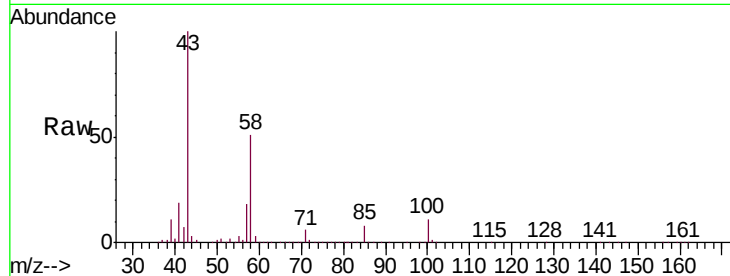




#59
2-Hexanone
Concen: 108.480 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

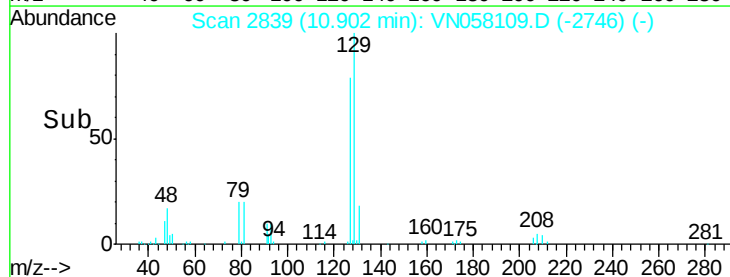
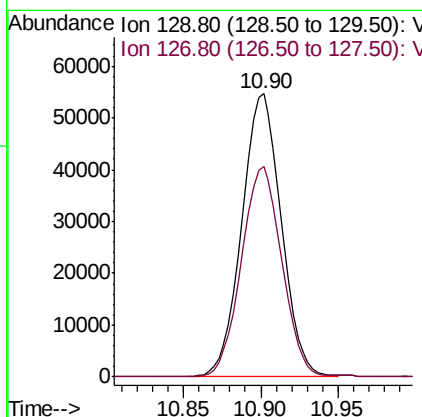
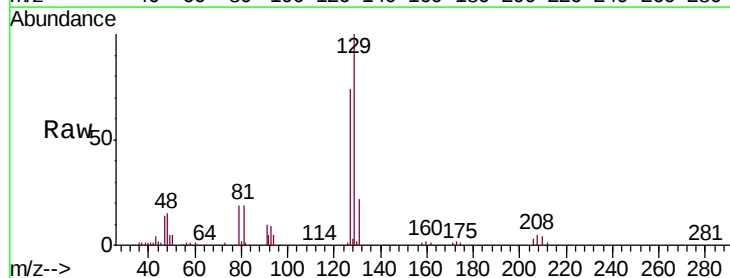
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

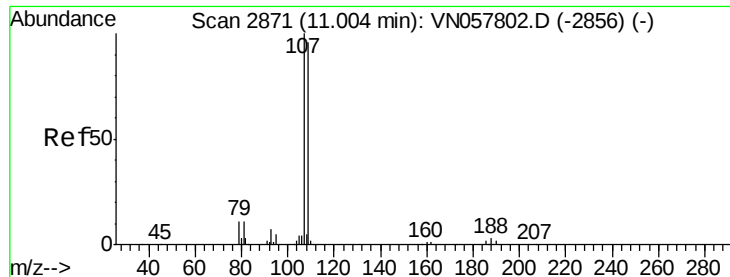
Tgt Ion: 43 Resp: 492298
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8



#60
Dibromochloromethane
Concen: 21.932 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

Tgt Ion: 129 Resp: 96329
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 22.006 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

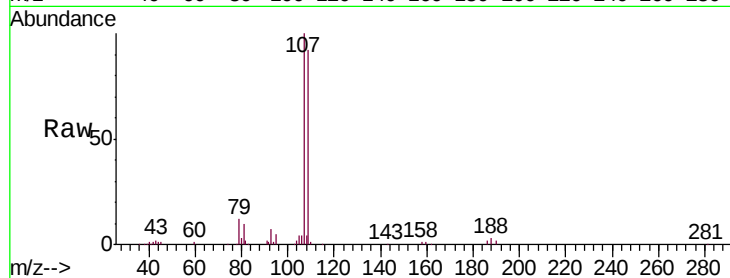
VN0916WBS01

Tgt Ion: 107 Resp: 98402

Ion Ratio Lower Upper

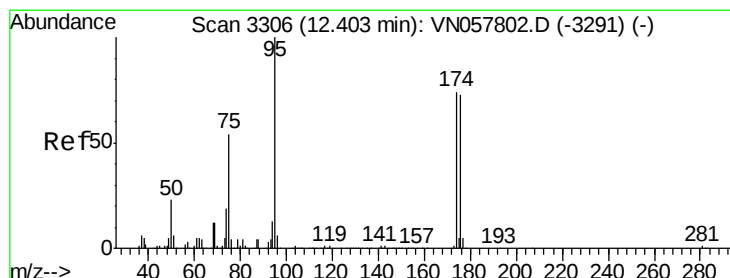
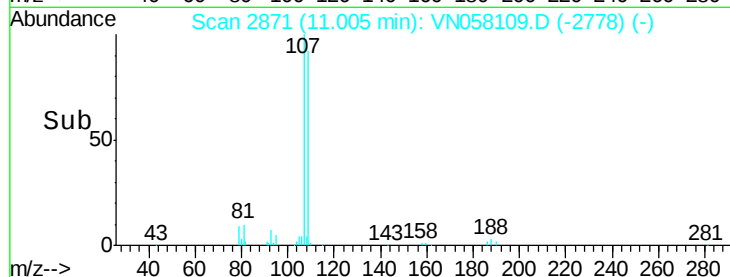
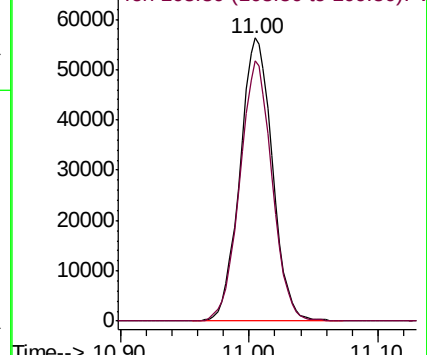
107 100

109 91.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.976 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

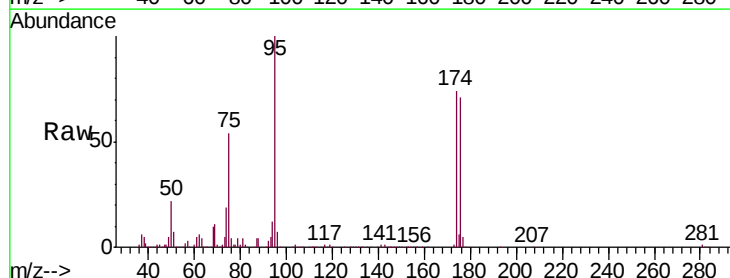
Tgt Ion: 95 Resp: 339598

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

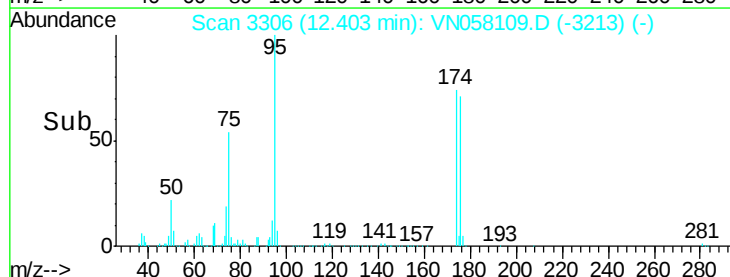
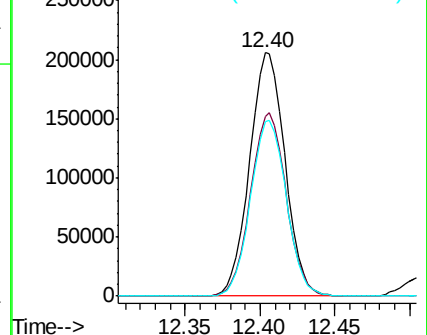
176 73.1 0.0 146.0

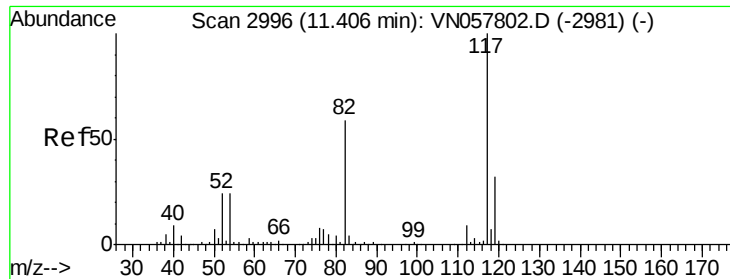


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

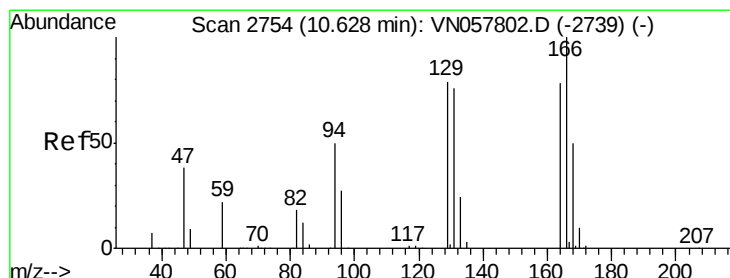
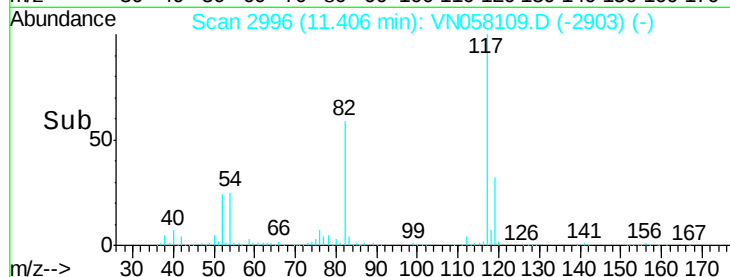
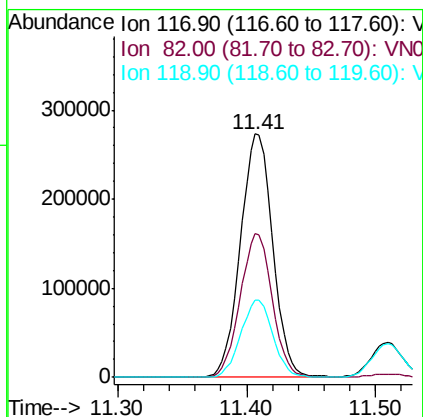
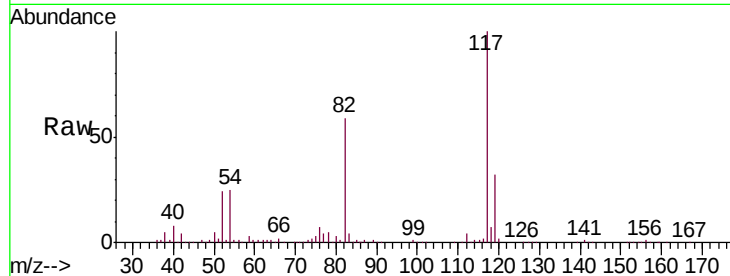




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

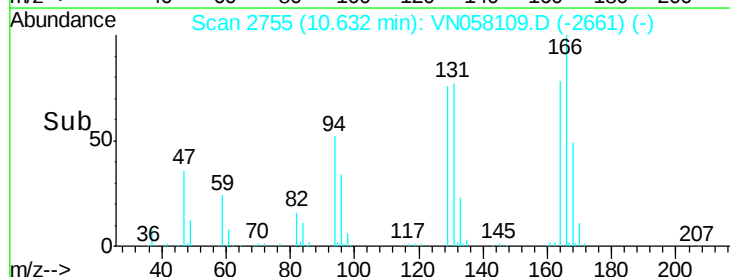
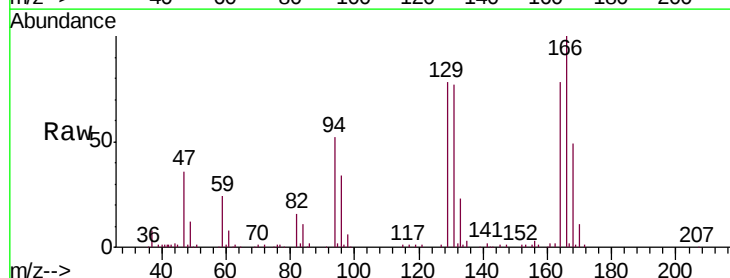
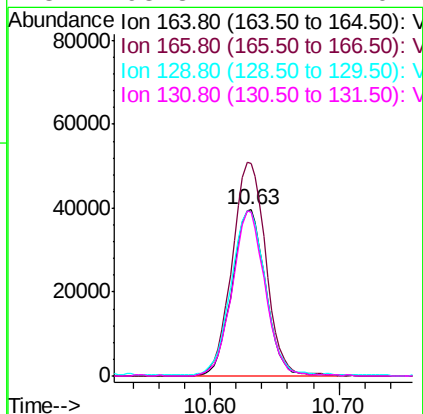
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

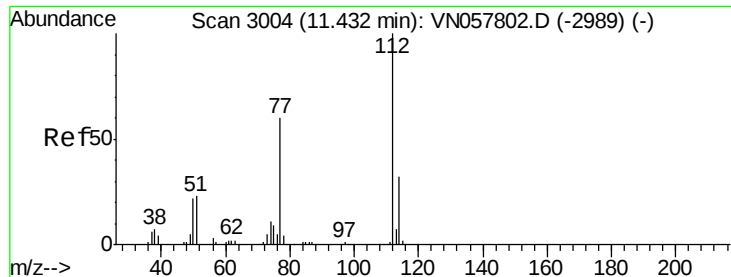
Tgt Ion:117 Resp: 476871
Ion Ratio Lower Upper
117 100
82 59.1 47.2 70.8
119 31.9 25.3 37.9



#64
Tetrachloroethene
Concen: 20.234 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

Tgt Ion:164 Resp: 71245
Ion Ratio Lower Upper
164 100
166 127.4 102.2 153.2
129 98.1 80.8 121.2
131 98.3 77.4 116.2

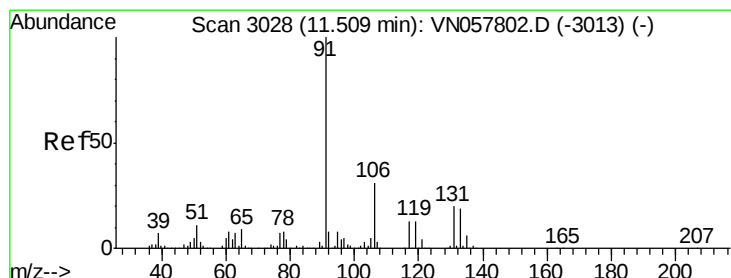
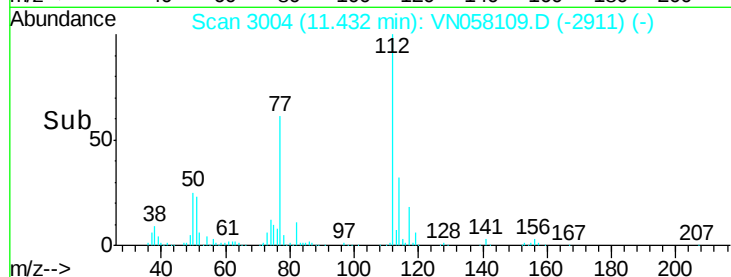
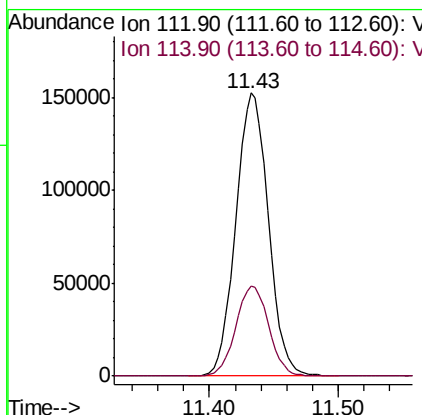
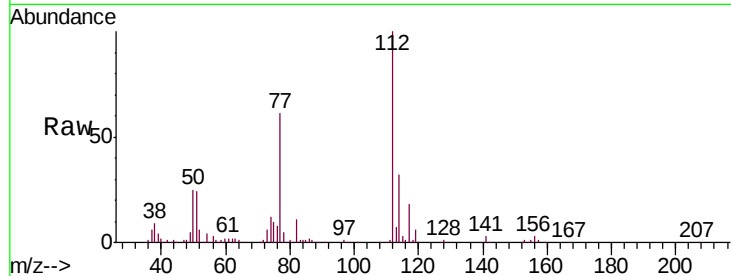




#65
Chlorobenzene
Concen: 21.448 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

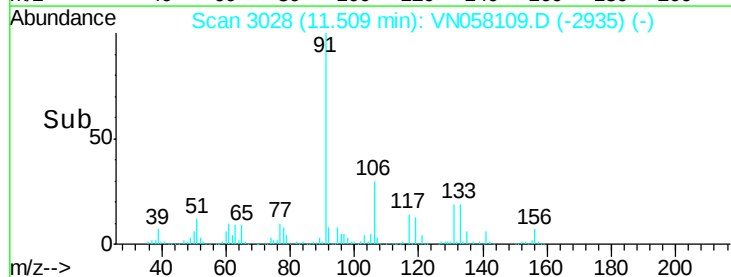
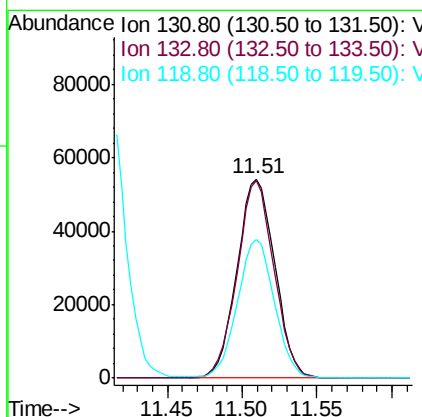
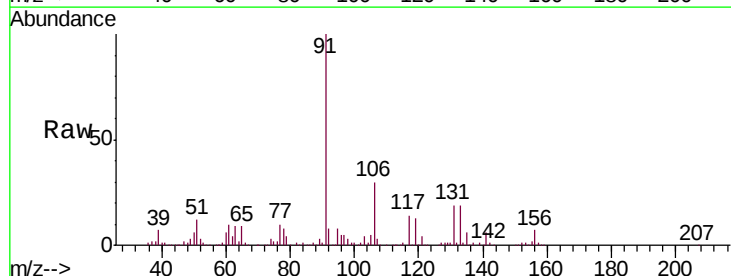
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

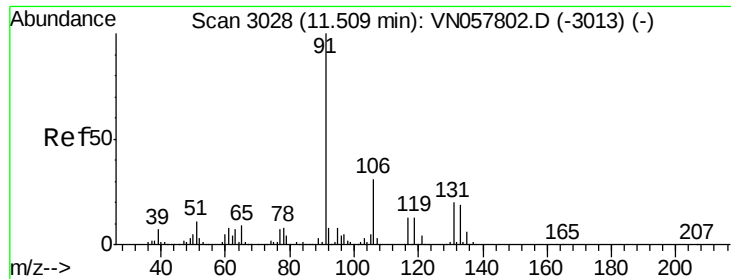
Tgt Ion:112 Resp: 267675
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.049 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

Tgt Ion:131 Resp: 95483
Ion Ratio Lower Upper
131 100
133 96.6 47.1 141.3
119 68.2 33.3 99.8

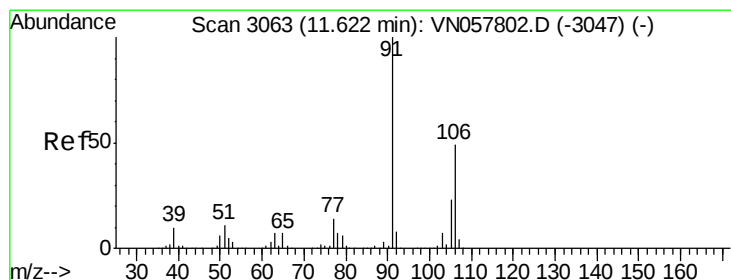
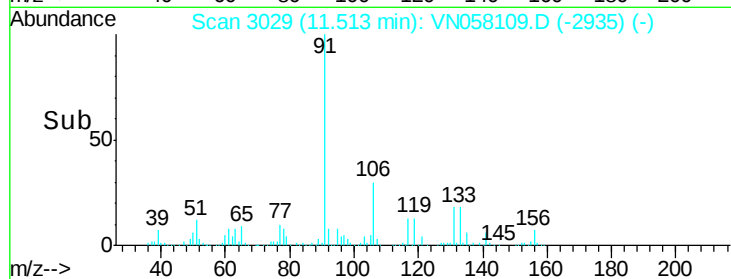
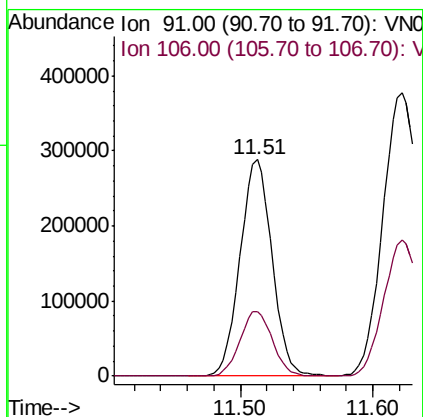
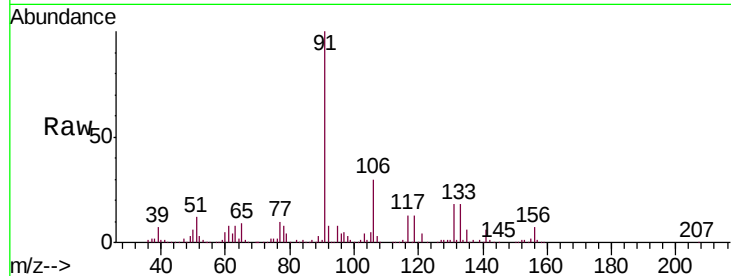




#67
Ethyl Benzene
Concen: 22.121 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

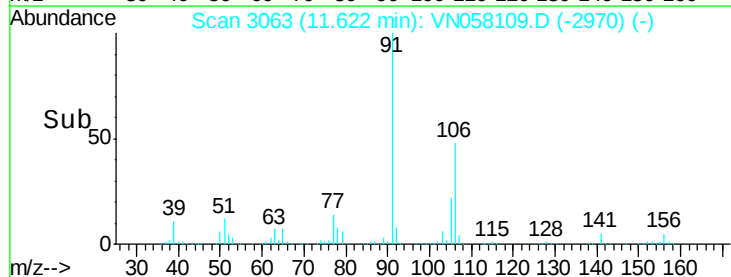
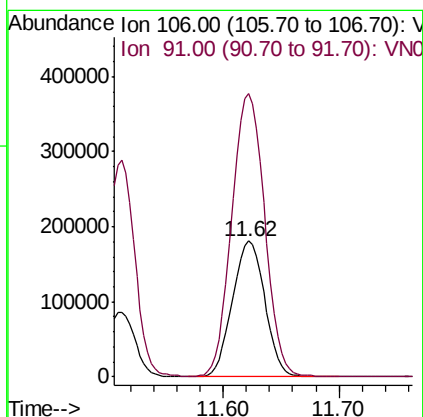
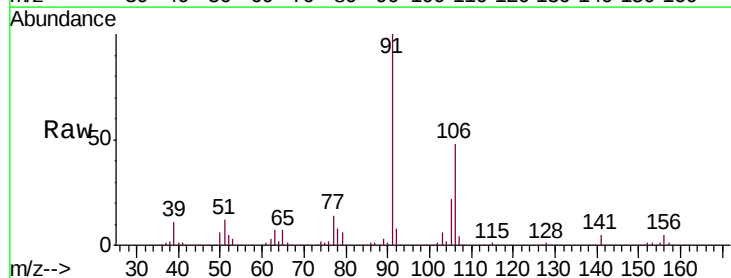
Instrument :
MSVOA_N
ClientSampled :
VN0916WBS01

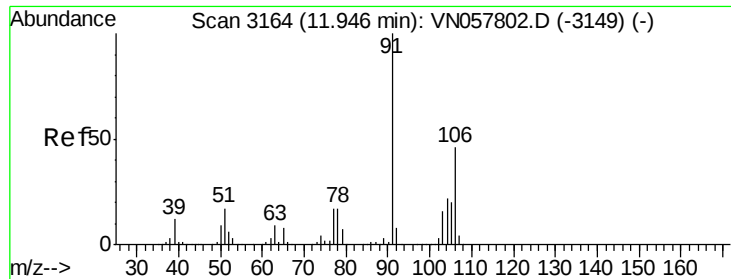
Tgt Ion: 91 Resp: 483825
Ion Ratio Lower Upper
91 100
106 30.0 24.4 36.6



#68
m/p-Xylenes
Concen: 43.890 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

Tgt Ion: 106 Resp: 351627
Ion Ratio Lower Upper
106 100
91 210.6 165.8 248.6

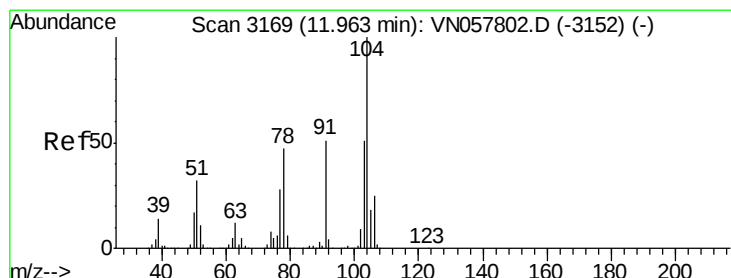
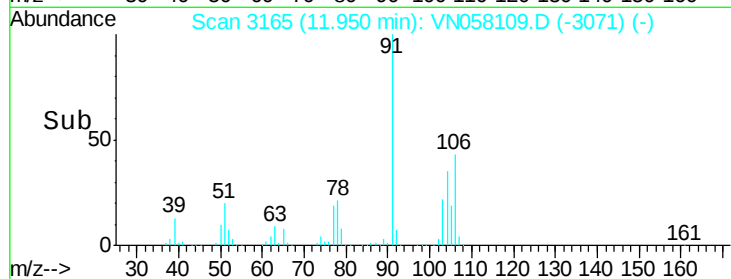
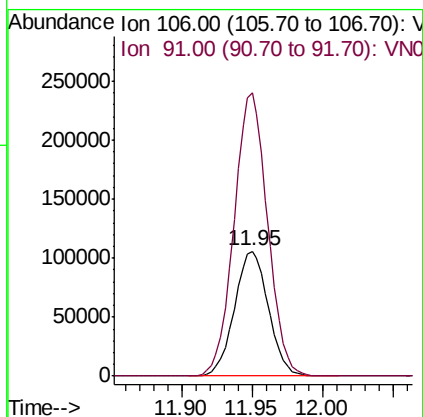
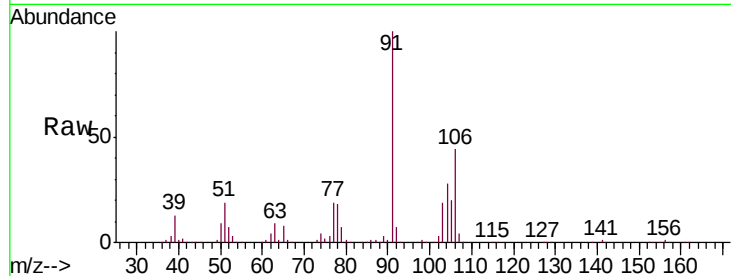




#69
o-Xylene
Concen: 22.432 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

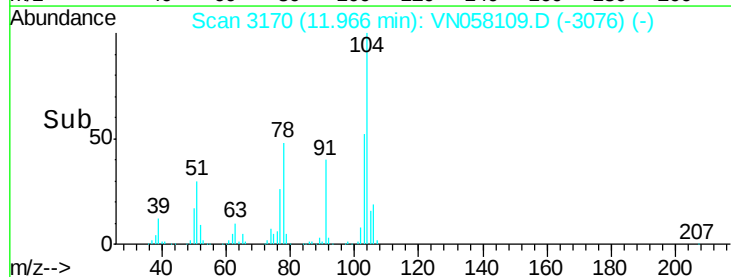
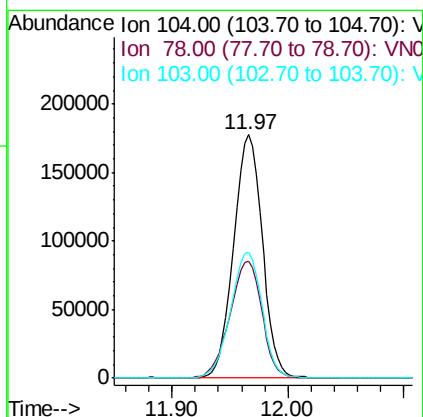
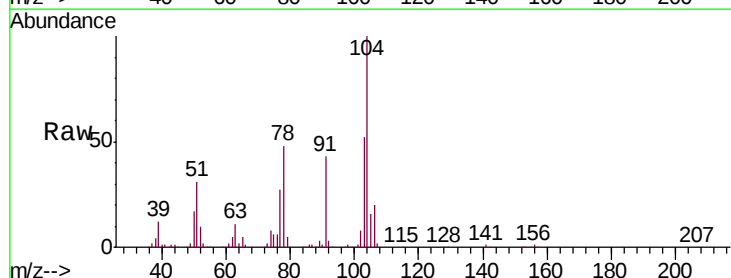
Instrument :
MSVOA_N
ClientSampled :
VN0916WBS01

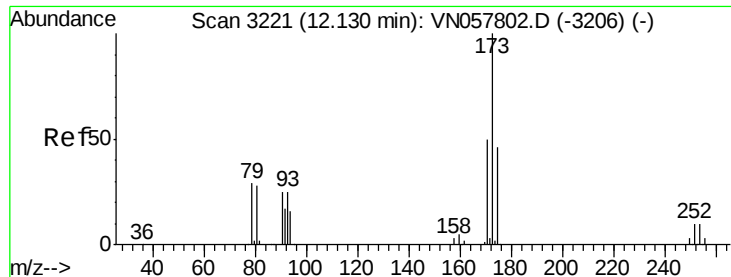
Tgt Ion:106 Resp: 178667
Ion Ratio Lower Upper
106 100
91 222.9 108.7 326.1



#70
Styrene
Concen: 22.241 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058109.D
Acq: 16 Sep 2019 11:44

Tgt Ion:104 Resp: 304861
Ion Ratio Lower Upper
104 100
78 53.0 41.3 61.9
103 56.5 43.7 65.5





#71

Bromoform

Concen: 21.418 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

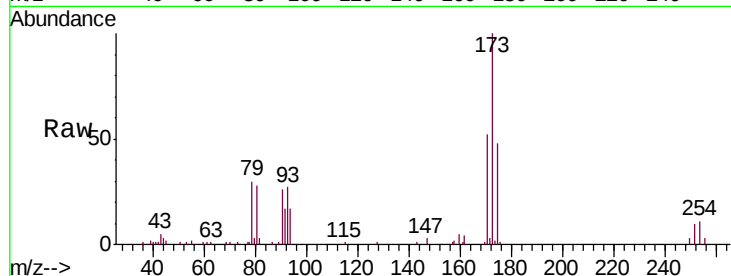
Tgt Ion:173 Resp: 57826

Ion Ratio Lower Upper

173 100

175 47.8 23.5 70.6

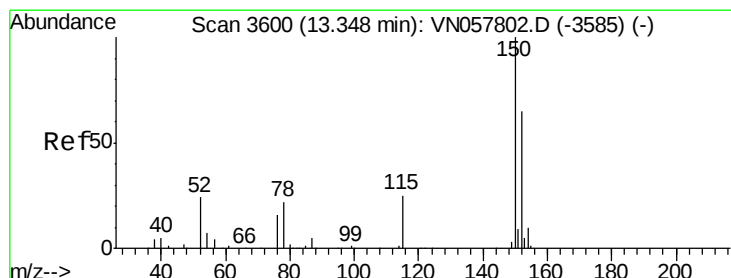
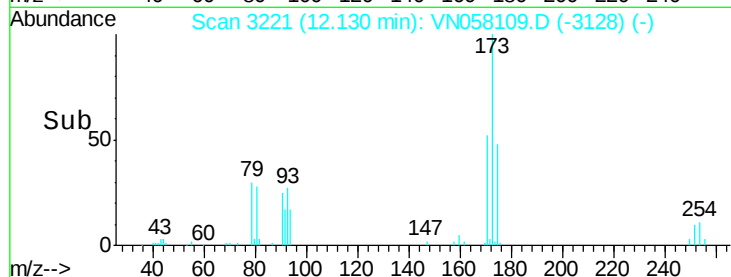
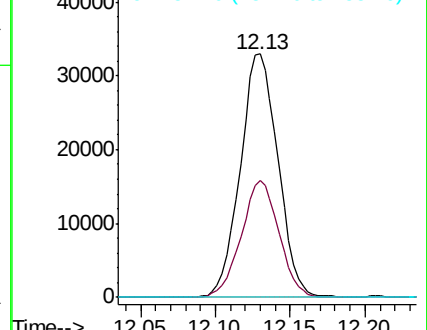
254 0.0 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

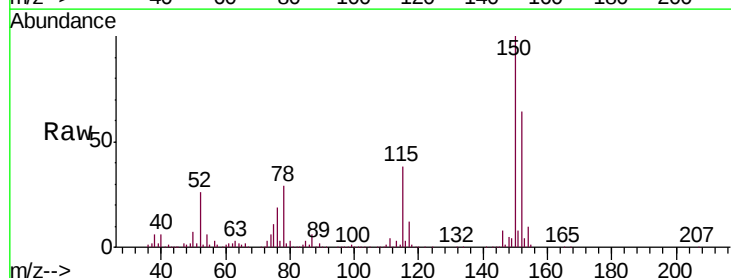
Tgt Ion:152 Resp: 289961

Ion Ratio Lower Upper

152 100

115 59.2 30.3 91.0

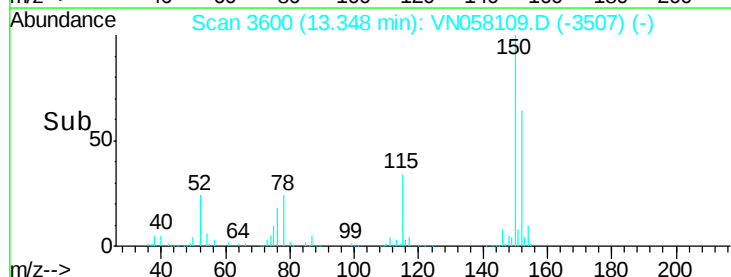
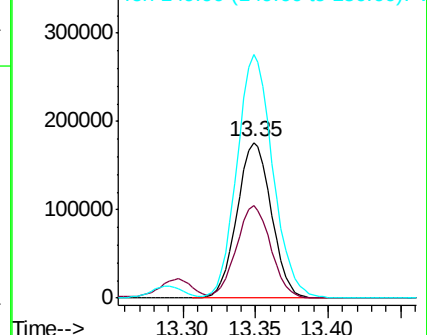
150 163.2 0.0 352.4

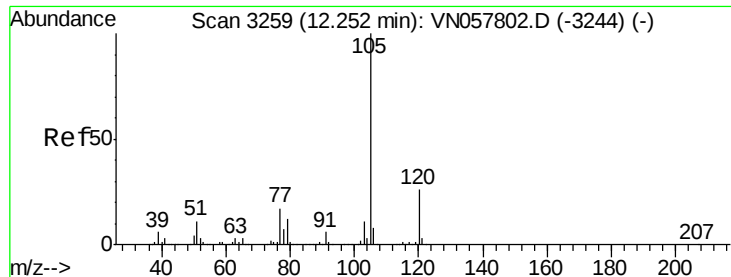


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.772 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

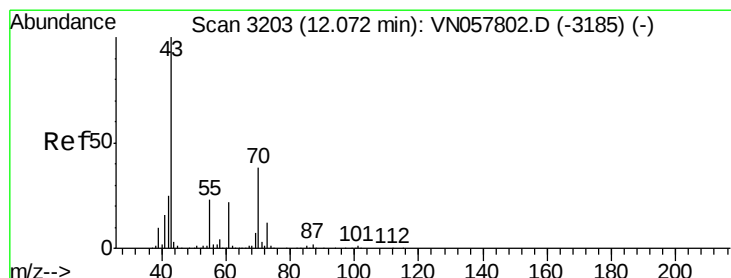
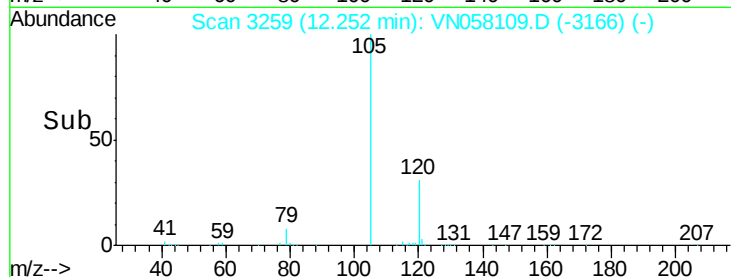
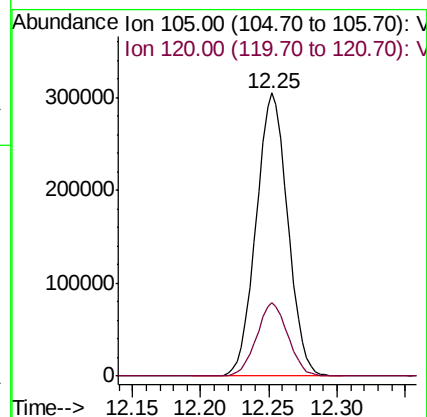
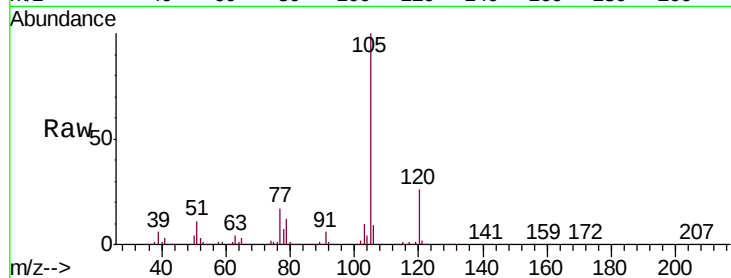
VN0916WBS01

Tgt Ion: 105 Resp: 489877

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



#74

N-ethyl acetate

Concen: 20.931 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Tgt Ion: 43 Resp: 204961

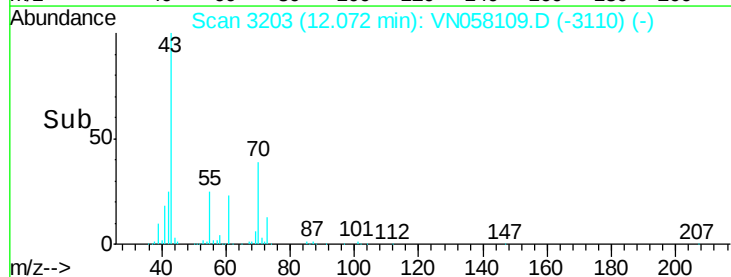
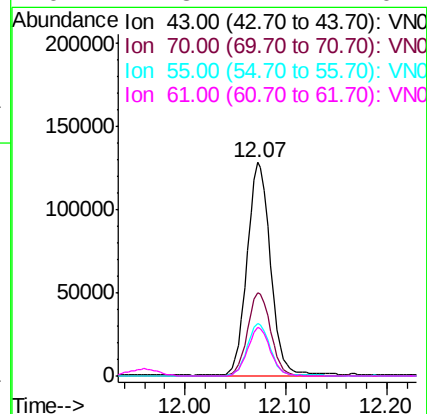
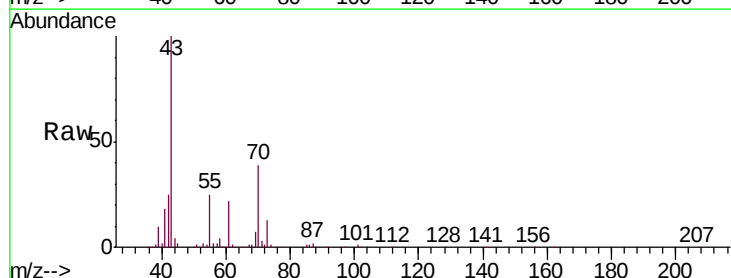
Ion Ratio Lower Upper

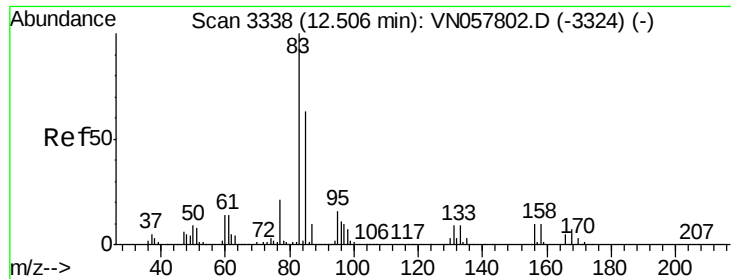
43 100

70 39.1 30.6 45.8

55 24.4 18.6 27.8

61 22.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.311 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

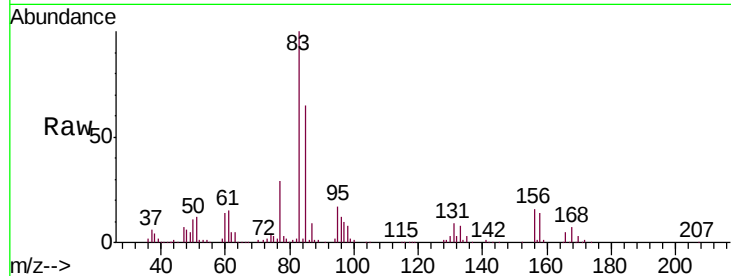
Tgt Ion: 83 Resp: 161449

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

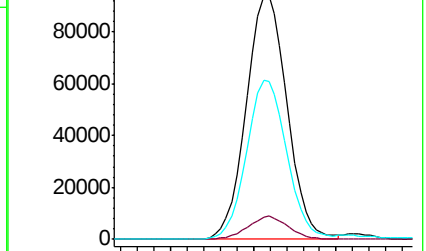
85 64.3 31.6 94.7



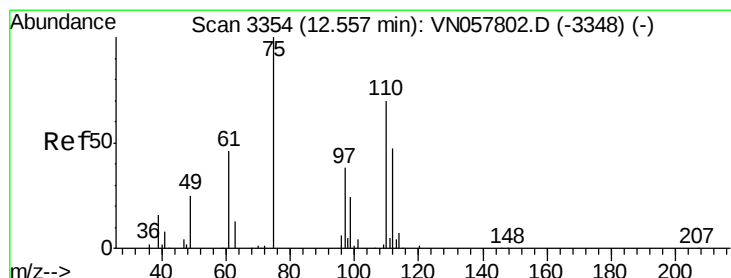
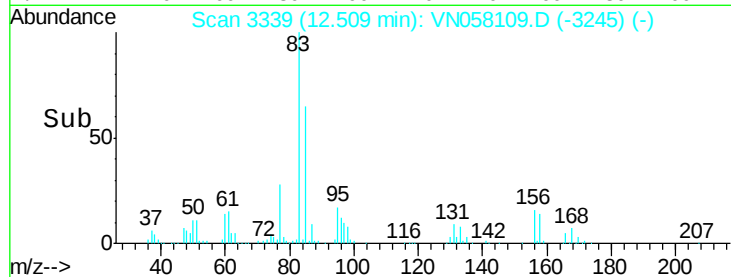
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 29.379 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058109.D

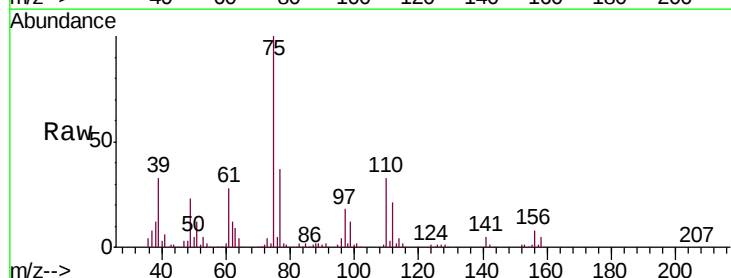
Acq: 16 Sep 2019 11:44

Tgt Ion: 75 Resp: 192711

Ion Ratio Lower Upper

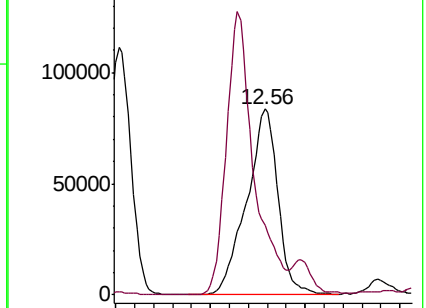
75 100

77 0.0 0.0 0.0

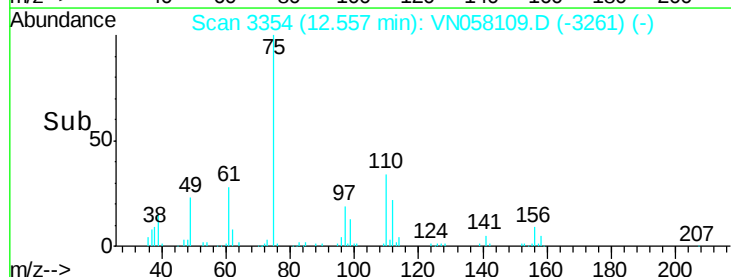


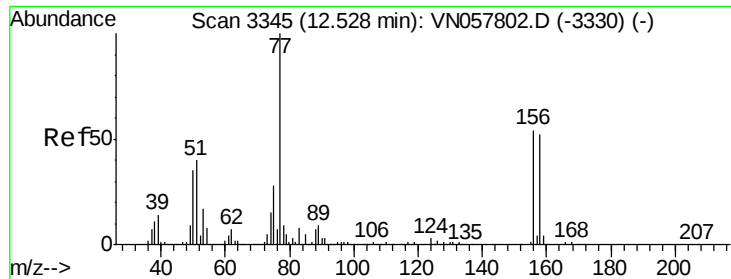
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#77

Bromobenzene

Concen: 21.919 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

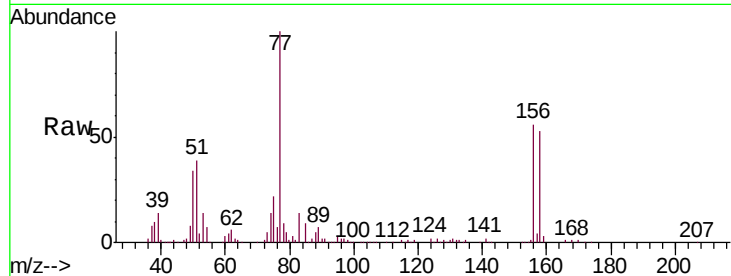
Tgt Ion:156 Resp: 122960

Ion Ratio Lower Upper

156 100

77 209.1 113.7 341.1

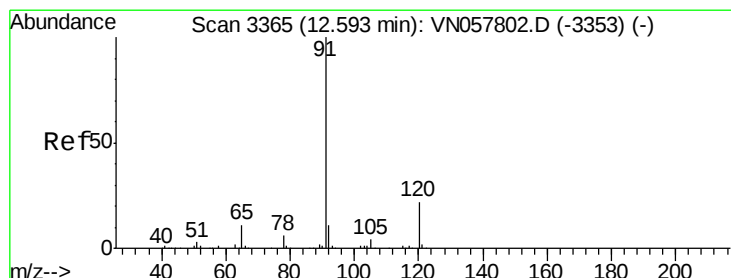
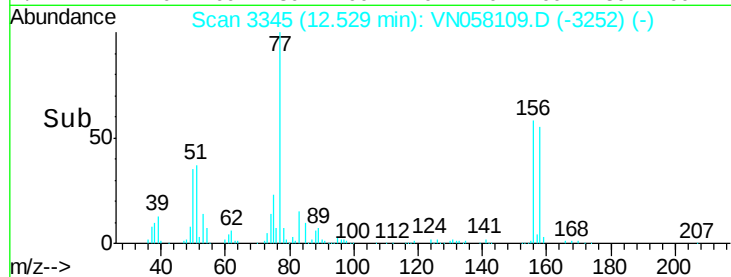
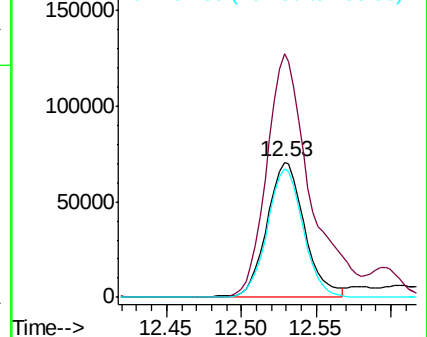
158 90.9 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.129 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058109.D

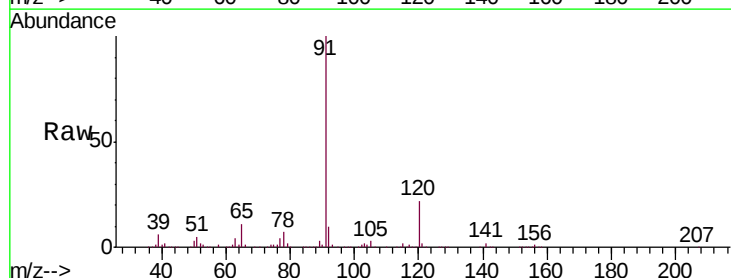
Acq: 16 Sep 2019 11:44

Tgt Ion: 91 Resp: 571753

Ion Ratio Lower Upper

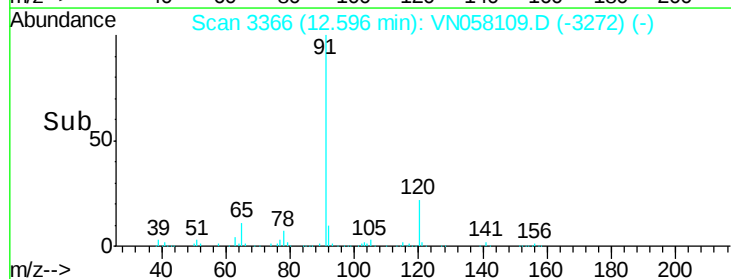
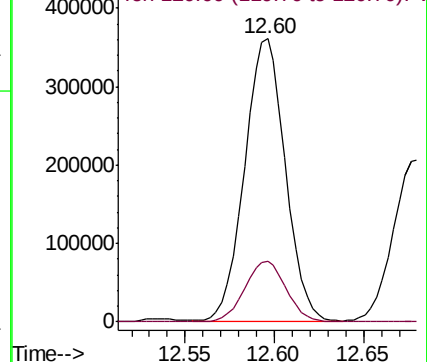
91 100

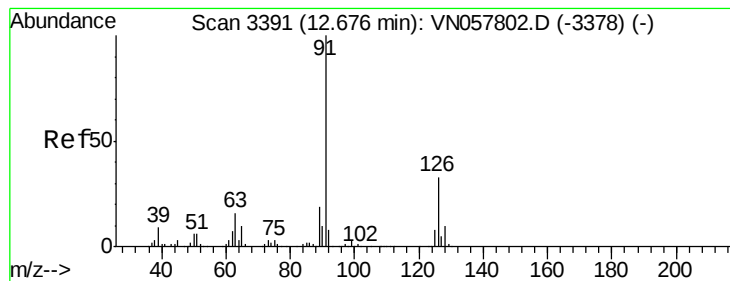
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.671 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

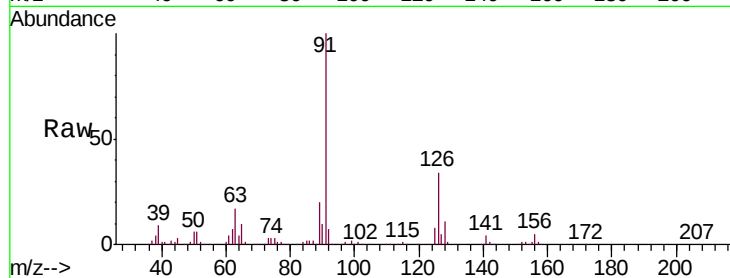
VN0916WBS01

Tgt Ion: 91 Resp: 337558

Ion Ratio Lower Upper

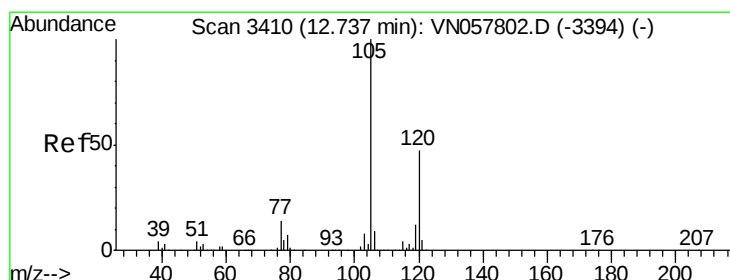
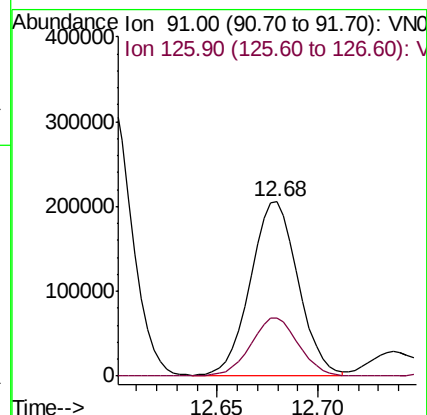
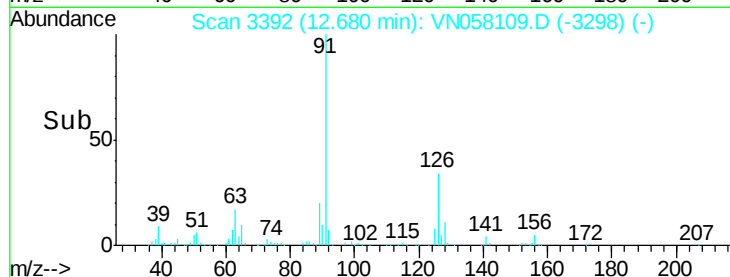
91 100

126 33.9 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN058109.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058109.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.978 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058109.D

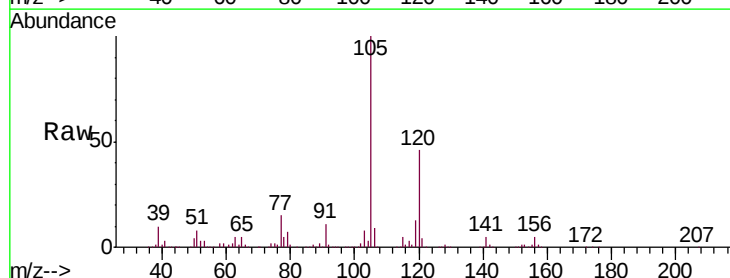
Acq: 16 Sep 2019 11:44

Tgt Ion: 105 Resp: 417824

Ion Ratio Lower Upper

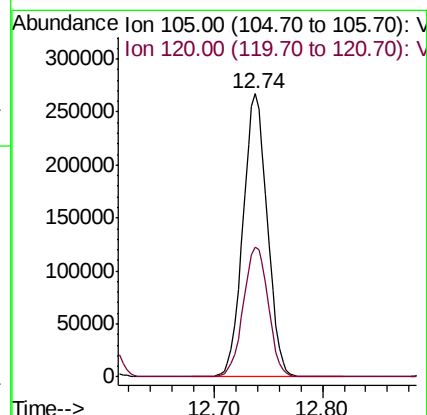
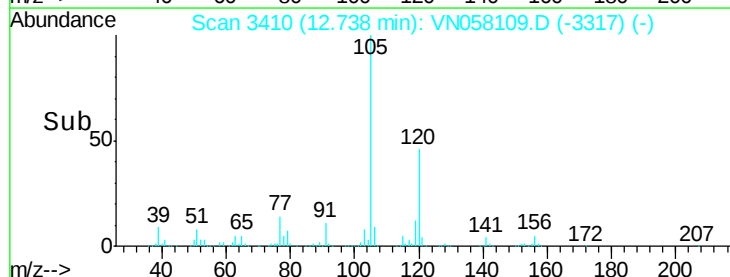
105 100

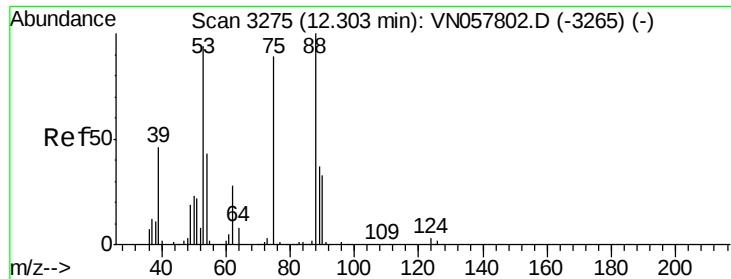
120 47.2 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058109.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058109.D (-3410) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.315 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

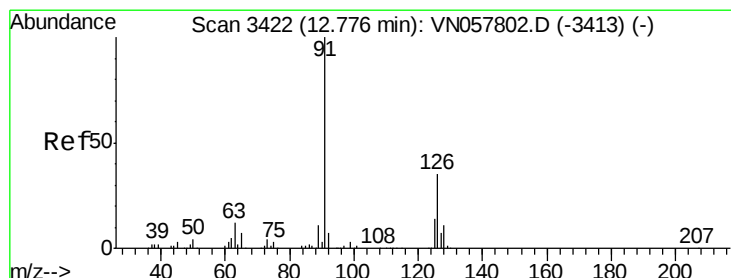
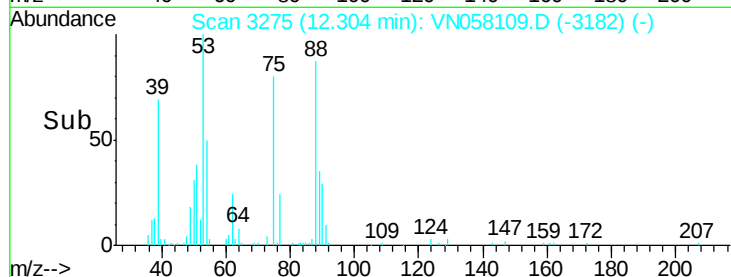
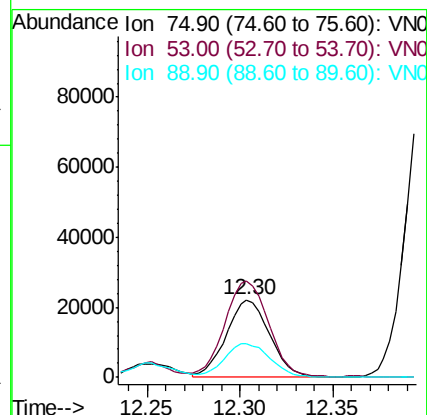
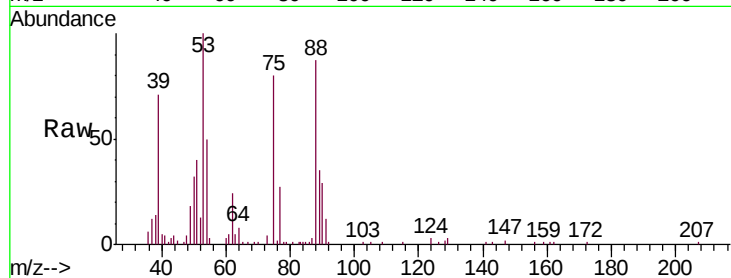
Tgt Ion: 75 Resp: 36003

Ion Ratio Lower Upper

75 100

53 124.1 88.4 132.6

89 46.4 35.3 52.9



#82

4-Chlorotoluene

Concen: 21.059 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058109.D

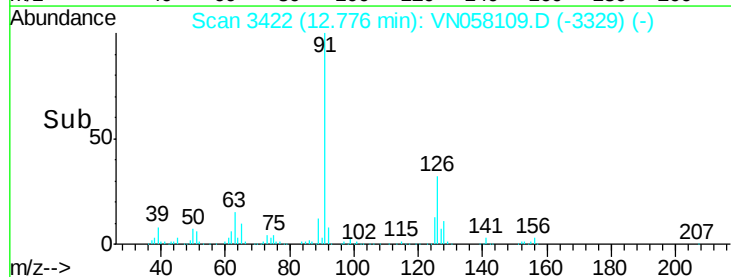
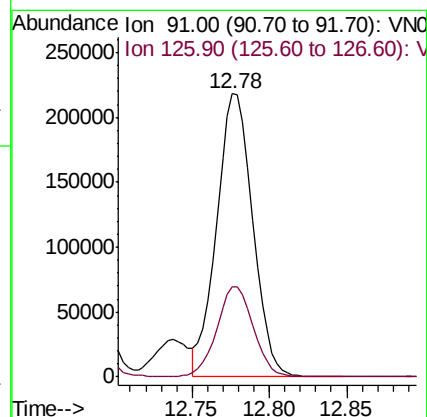
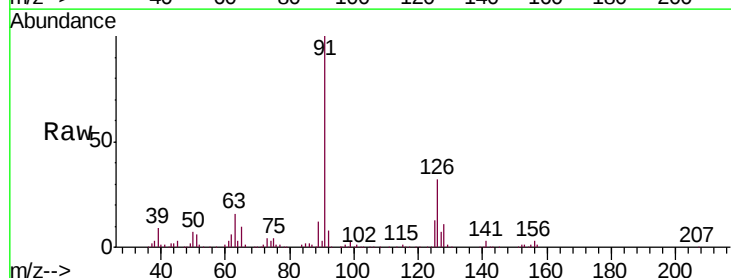
Acq: 16 Sep 2019 11:44

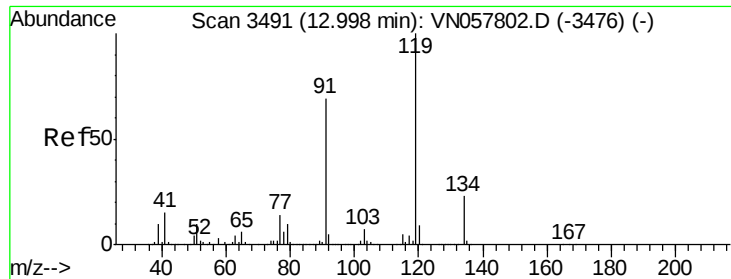
Tgt Ion: 91 Resp: 353144

Ion Ratio Lower Upper

91 100

126 32.4 16.0 48.0

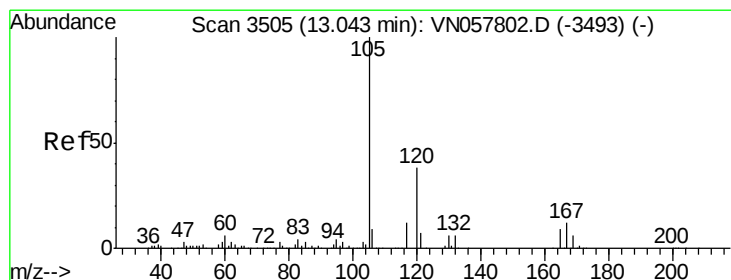
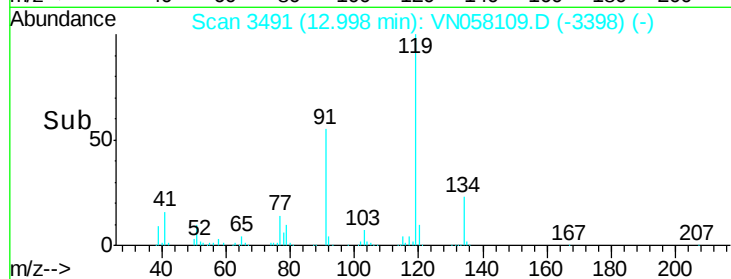
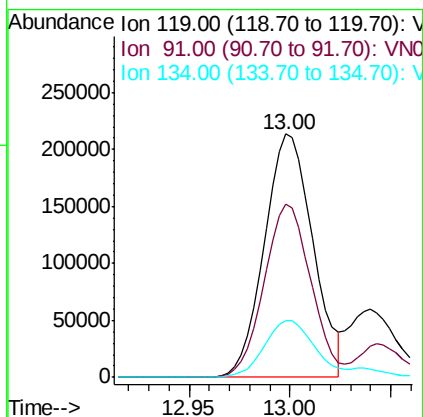
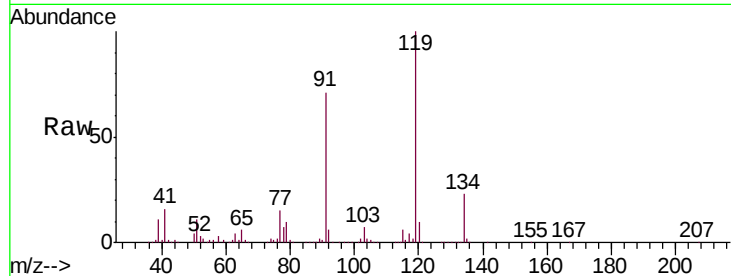




#83
 tert-Butylbenzene
 Concen: 21.127 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

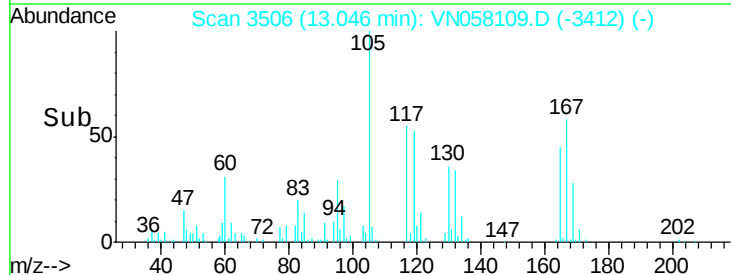
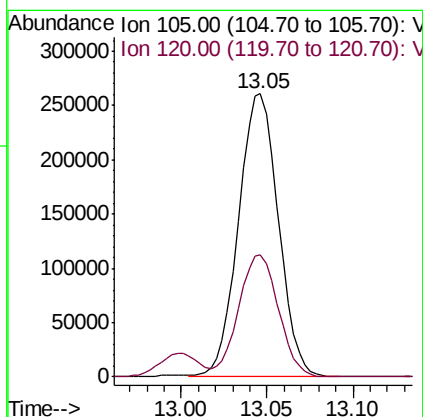
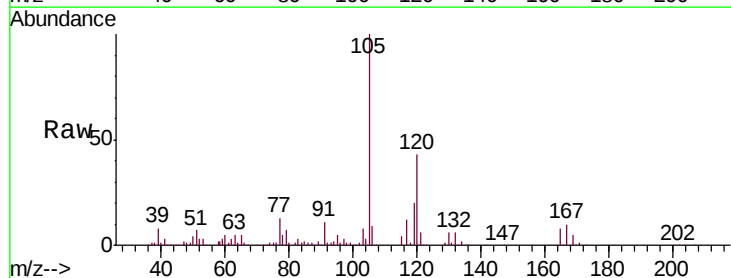
Instrument :
 MSVOA_N
 ClientSampled :
 VN0916WBS01

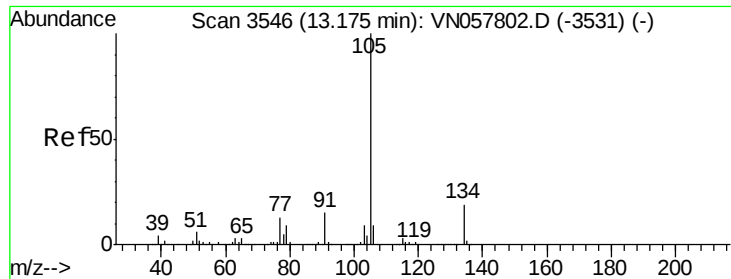
Tgt Ion:119 Resp: 357028
 Ion Ratio Lower Upper
 119 100
 91 68.3 33.6 100.8
 134 23.8 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.602 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion:105 Resp: 417390
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.4 67.2





#85

sec-Butylbenzene

Concen: 22.019 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

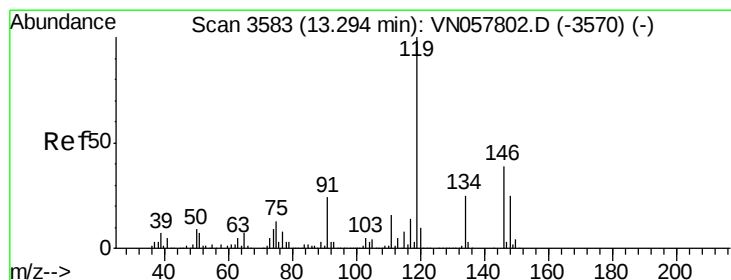
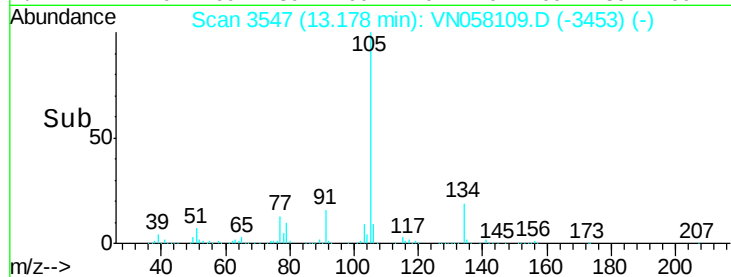
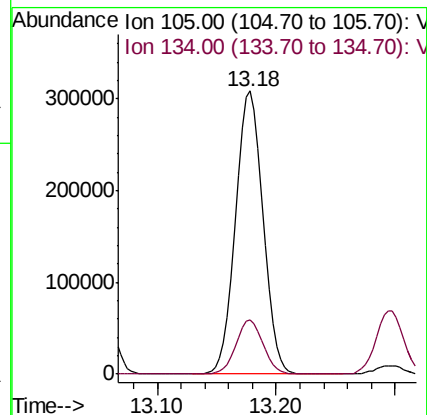
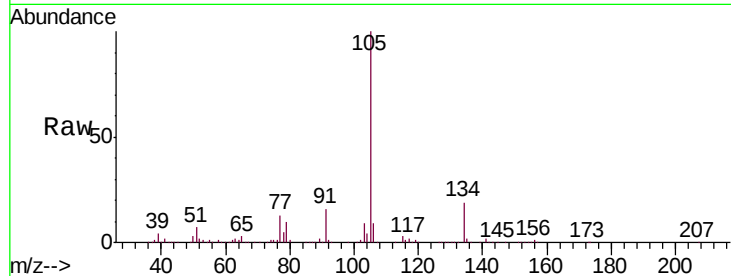
VN0916WBS01

Tgt Ion:105 Resp: 493188

Ion Ratio Lower Upper

105 100

134 18.9 9.6 28.6



#86

p-Isopropyltoluene

Concen: 22.252 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

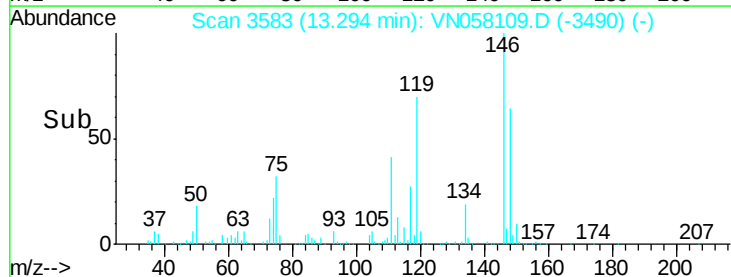
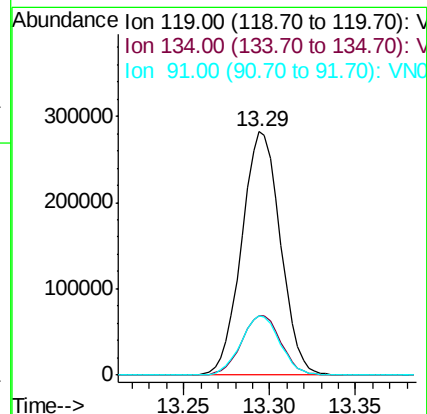
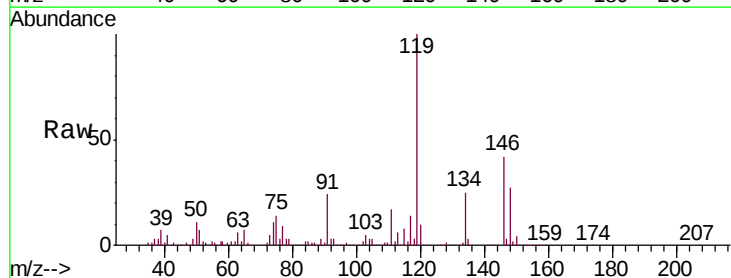
Tgt Ion:119 Resp: 439157

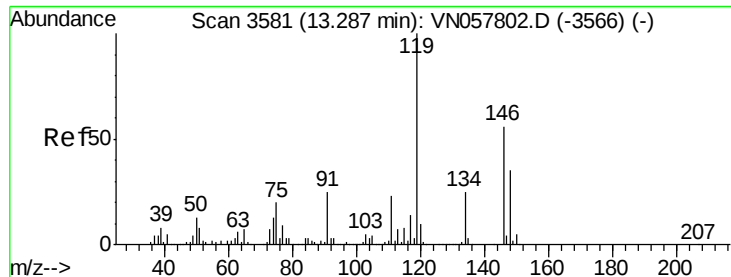
Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

91 24.3 12.3 36.8

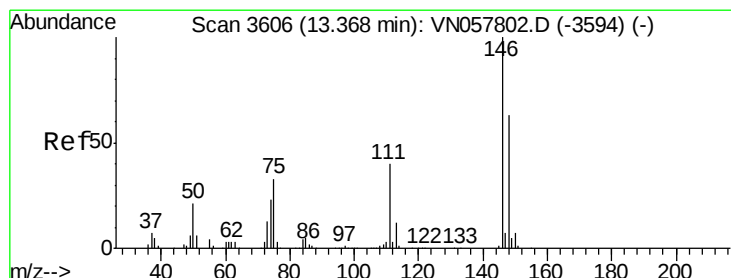
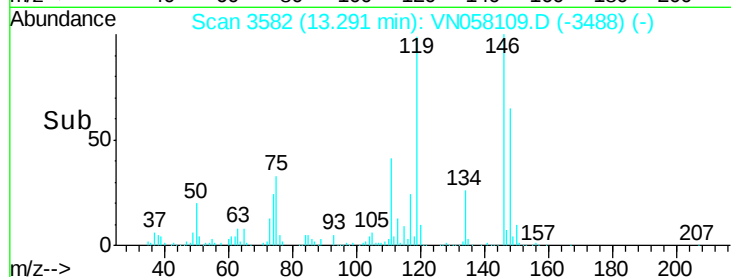
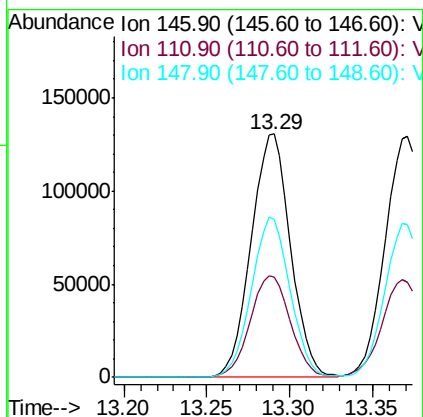
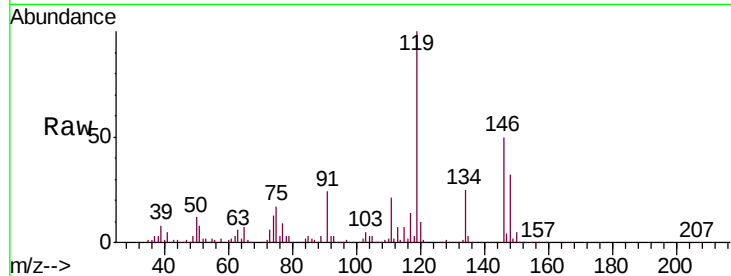




#87
 1,3-Dichlorobenzene
 Concen: 21.024 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

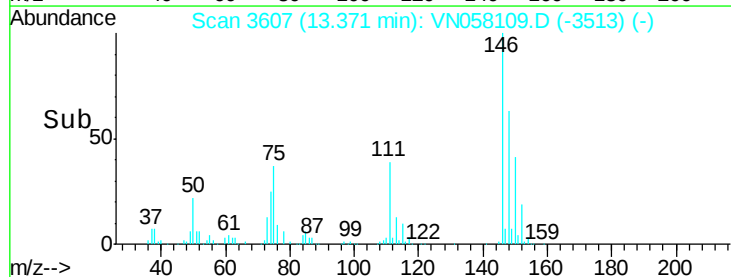
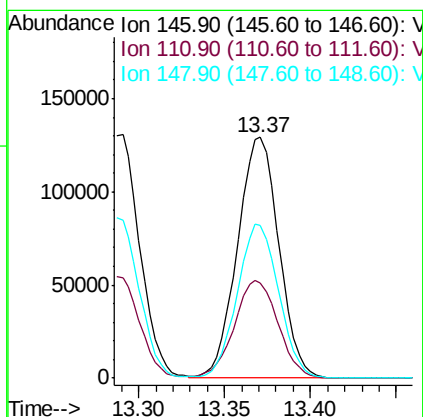
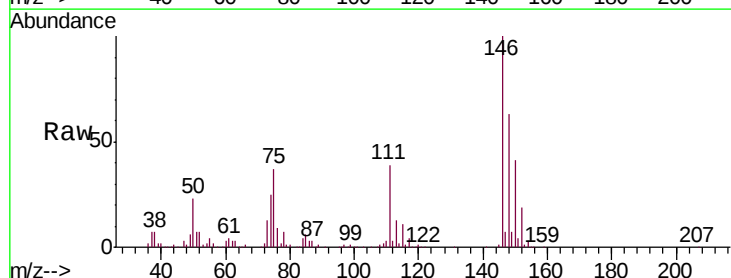
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

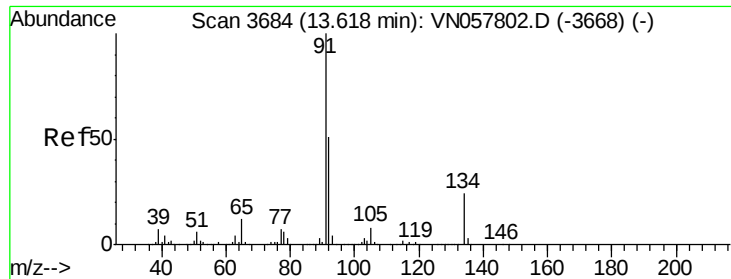
Tgt Ion:146 Resp: 216482
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.5 61.6
 148 64.5 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 20.559 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion:146 Resp: 214878
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.4 61.2
 148 64.1 31.8 95.4





#89

n-Butylbenzene

Concen: 21.324 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

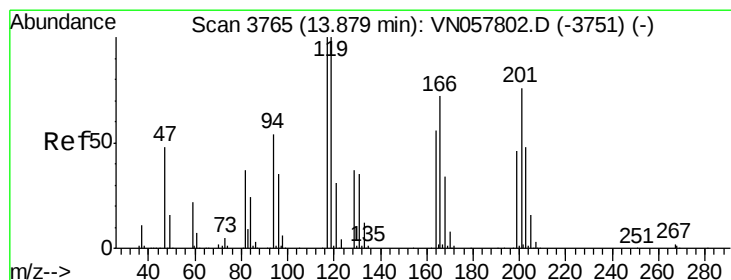
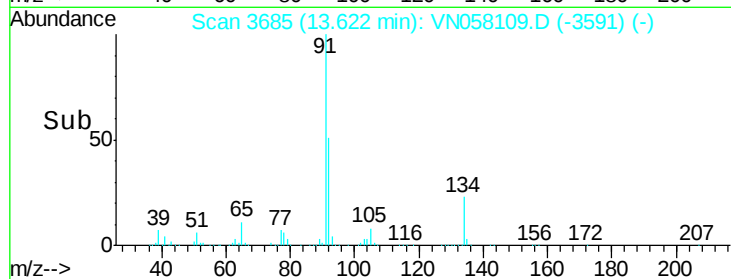
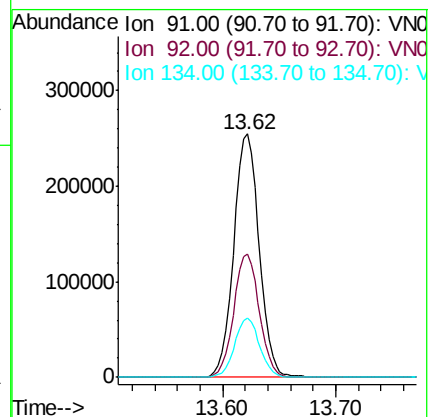
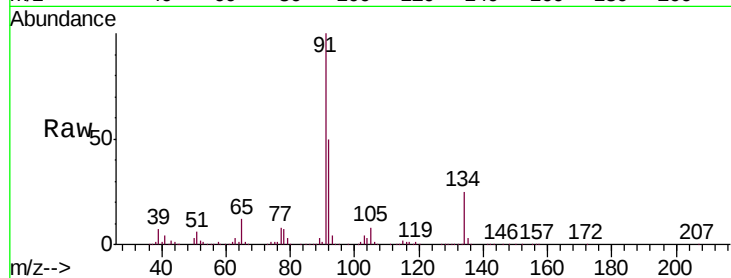
Tgt Ion: 91 Resp: 397419

Ion Ratio Lower Upper

91 100

92 51.1 25.7 77.0

134 24.1 11.9 35.7



#90

Hexachloroethane

Concen: 20.442 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058109.D

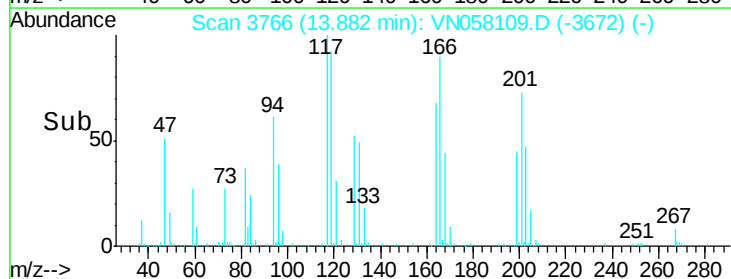
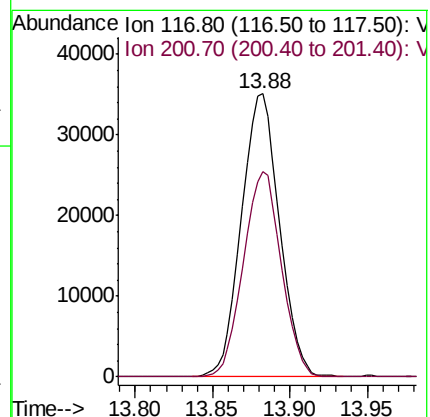
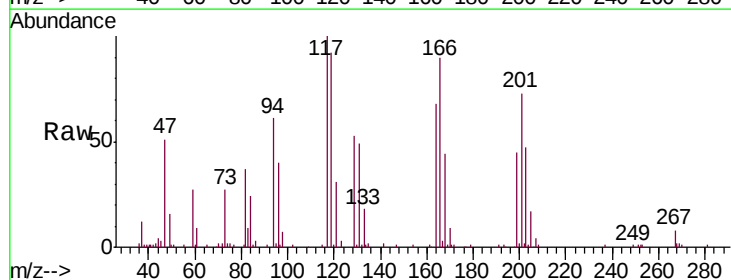
Acq: 16 Sep 2019 11:44

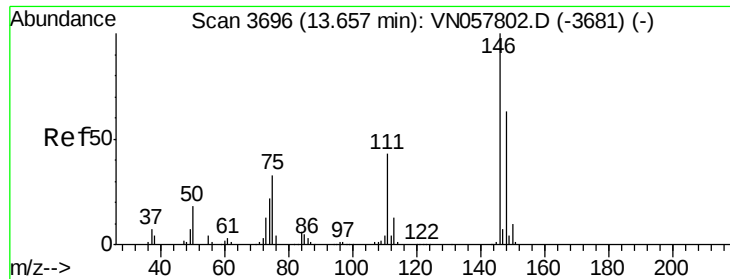
Tgt Ion: 117 Resp: 59999

Ion Ratio Lower Upper

117 100

201 72.3 37.5 112.7

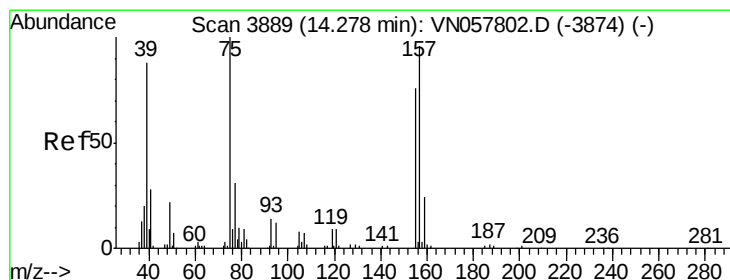
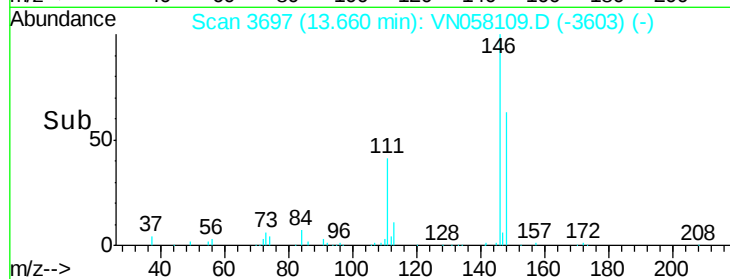
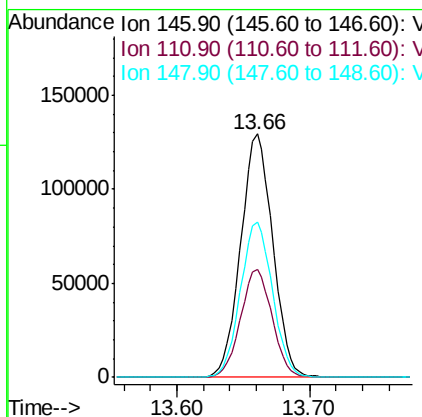
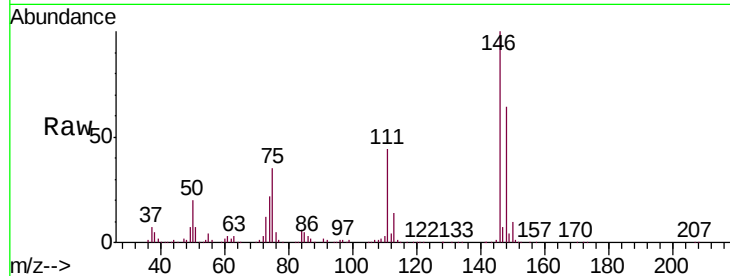




#91
 1,2-Dichlorobenzene
 Concen: 21.186 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

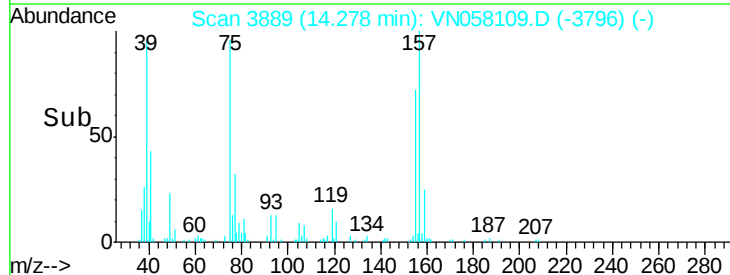
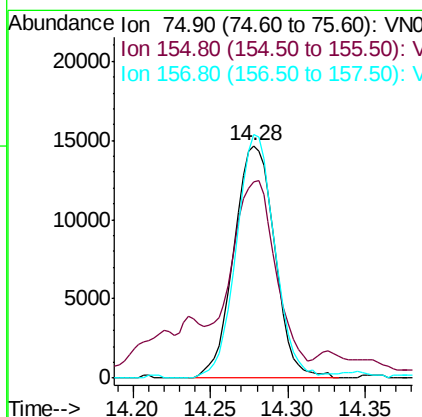
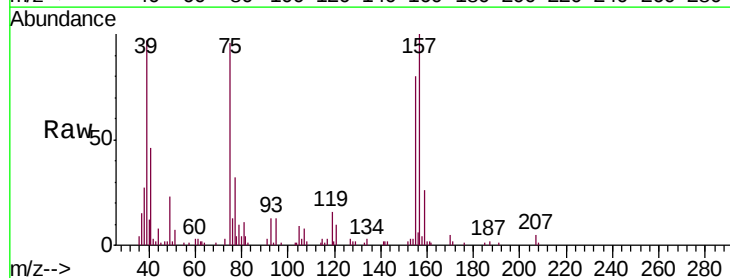
Instrument :
 MSVOA_N
 ClientSampled :
 VN0916WBS01

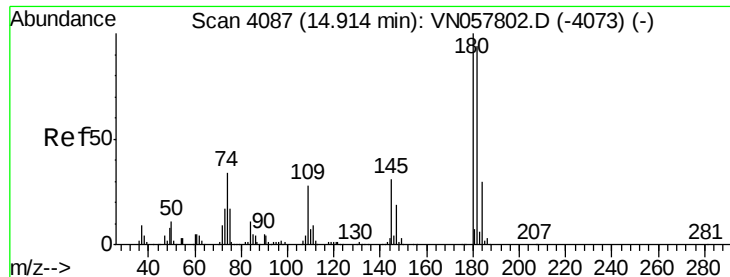
Tgt Ion:146 Resp: 217937
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.3 63.9
 148 63.7 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.538 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion: 75 Resp: 26946
 Ion Ratio Lower Upper
 75 100
 155 82.3 37.3 111.8
 157 98.5 47.9 143.8

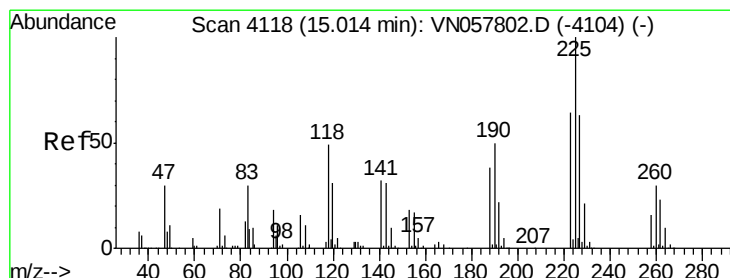
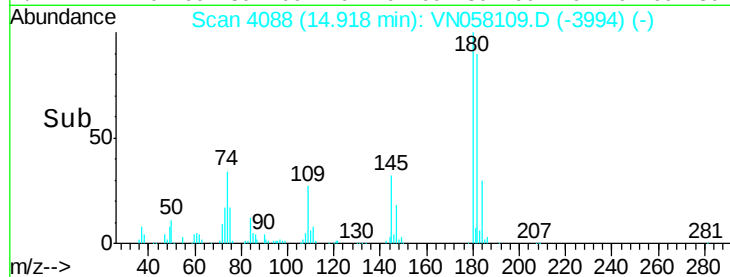
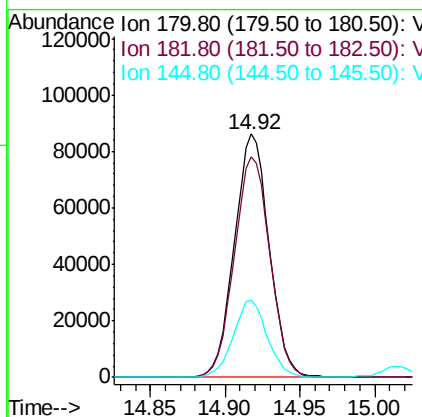
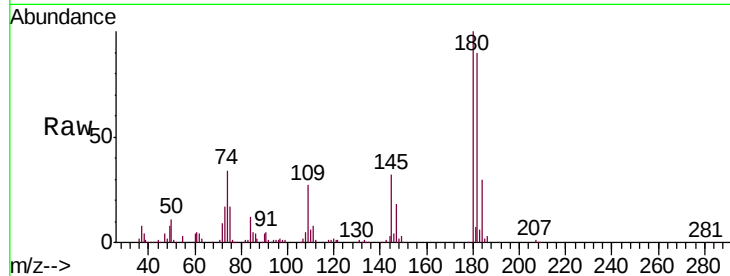




#93
 1,2,4-Trichlorobenzene
 Concen: 20.763 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

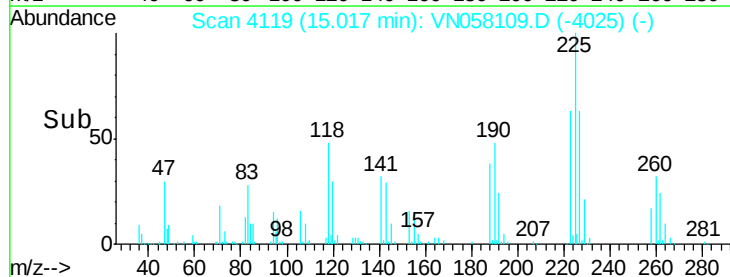
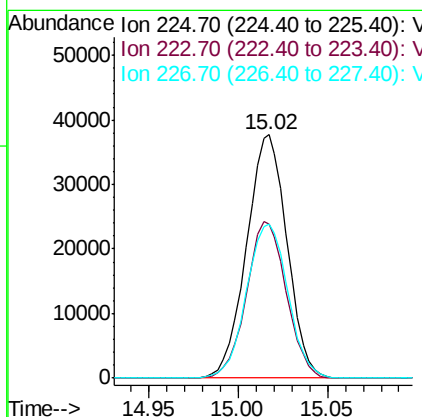
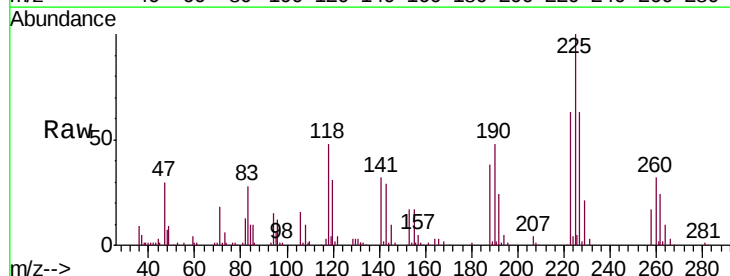
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

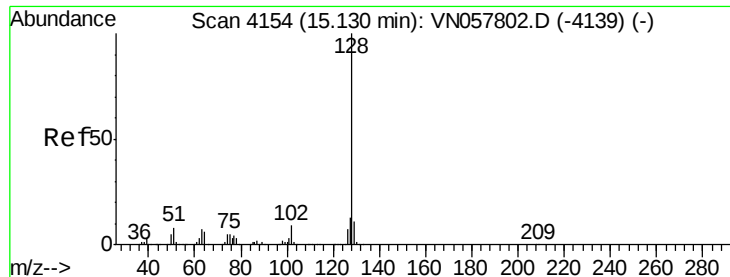
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	46.9	140.8
145	31.0	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 20.992 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058109.D
 Acq: 16 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.4	97.2
227	65.0	31.8	95.4





#95

Naphthalene

Concen: 22.311 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

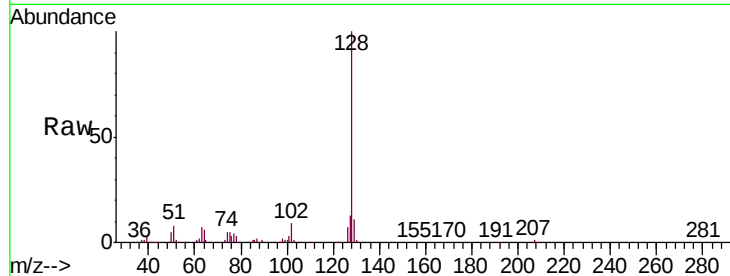
Tgt Ion:128 Resp: 393482

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

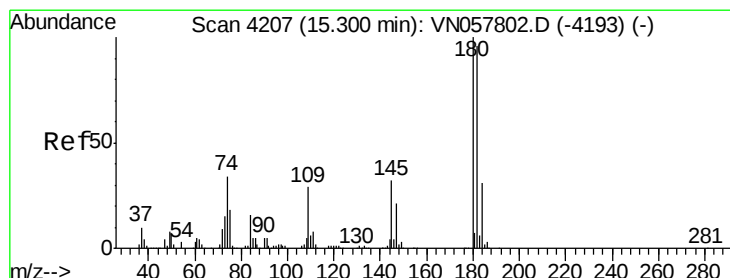
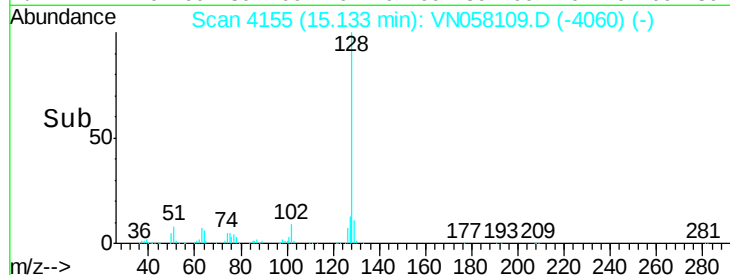
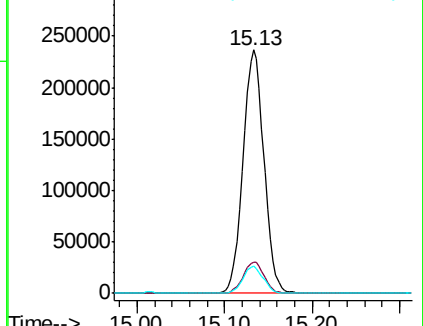
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.799 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058109.D

Acq: 16 Sep 2019 11:44

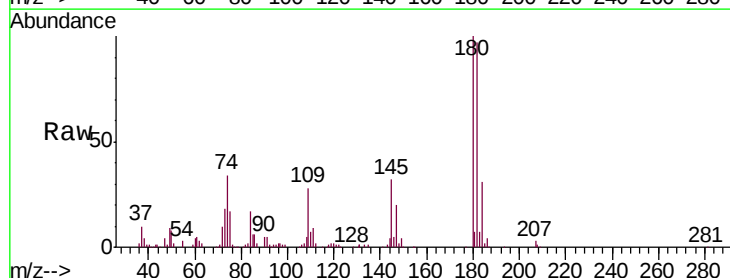
Tgt Ion:180 Resp: 130573

Ion Ratio Lower Upper

180 100

182 96.7 48.3 144.8

145 32.5 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

