

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058319.D
 Acq On : 24 Sep 2019 1:53
 Operator : JC/SP
 Sample : VN0920WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Quant Time: Sep 24 07:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	398369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	705962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	638926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300674	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	312665	56.35	ug/l	0.00
Spiked Amount			Recovery	=	112.70%	
35) Dibromofluoromethane	7.58	113	219444	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	10.09	98	849289	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.41	95	299805	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	62015	18.950	ug/l	98
3) Chloromethane	2.04	50	55738	21.507	ug/l	98
4) Vinyl Chloride	2.17	62	58931	20.836	ug/l	100
5) Bromomethane	2.55	94	30161	21.080	ug/l	97
6) Chloroethane	2.68	64	42352	23.024	ug/l	97
7) Trichlorofluoromethane	3.00	101	87294	19.543	ug/l	97
8) Diethyl Ether	3.39	74	43765	21.383	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	65612	20.373	ug/l	99
10) Methyl Iodide	3.93	142	48375	17.926	ug/l	99
11) Tert butyl alcohol	4.76	59	84526	128.068	ug/l	98
12) 1,1-Dichloroethene	3.72	96	51952	21.051	ug/l	95
13) Acrolein	3.59	56	16192	165.544	ug/l	93
14) Allyl chloride	4.30	41	94190	17.873	ug/l	91
15) Acrylonitrile	4.96	53	223586	127.150	ug/l	99
16) Acetone	3.80	43	190849	101.333	ug/l	100
17) Carbon Disulfide	4.03	76	61602	18.080	ug/l	100
18) Methyl Acetate	4.30	43	125900	25.405	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	275208	22.657	ug/l	98
20) Methylene Chloride	4.53	84	76706	23.143	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	58508	21.741	ug/l	92
22) Diisopropyl ether	5.93	45	296457	22.146	ug/l	94
23) Vinyl Acetate	5.87	43	1054386	115.110	ug/l	99
24) 1,1-Dichloroethane	5.83	63	158151	22.136	ug/l	99
25) 2-Butanone	6.82	43	309207	120.507	ug/l	99
26) 2,2-Dichloropropane	6.81	77	86242	14.228	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	86096	21.312	ug/l	98
28) Bromochloromethane	7.18	49	73192	21.655	ug/l	96
29) Tetrahydrofuran	7.19	42	189045	119.610	ug/l	99
30) Chloroform	7.36	83	168030	21.849	ug/l	100
31) Cyclohexane	7.64	56	97390	19.621	ug/l #	93
32) 1,1,1-Trichloroethane	7.55	97	130042	22.212	ug/l	97
36) 1,1-Dichloropropene	7.78	75	92504	18.170	ug/l	99
37) Ethyl Acetate	6.91	43	121473	22.992	ug/l	99
38) Carbon Tetrachloride	7.76	117	99624	19.467	ug/l	100

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
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 VN0923WBSD02

Quant Time: Sep 24 07:08:29 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	86232	17.564	ug/l	97
40) Benzene	8.03	78	315614	20.297	ug/l	100
41) Methacrylonitrile	7.16	41	60810	23.342	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	136749	20.958	ug/l	99
43) Isopropyl Acetate	8.15	43	206395	20.917	ug/l #	90
44) Trichloroethene	8.83	130	74574	19.598	ug/l	99
45) 1,2-Dichloropropane	9.11	63	99948	21.523	ug/l	99
46) Dibromomethane	9.20	93	60668	21.488	ug/l	97
47) Bromodichloromethane	9.40	83	128442	21.715	ug/l	96
48) Methyl methacrylate	9.19	41	99086	22.117	ug/l	98
49) 1,4-Dioxane	9.19	88	33493	455.342	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	675466	128.880	ug/l	98
52) Toluene	10.15	92	195954	20.108	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	116992	19.309	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	131348	19.635	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	96449	22.302	ug/l	98
56) Ethyl methacrylate	10.43	69	135878	21.776	ug/l	98
57) 1,3-Dichloropropane	10.71	76	163913	22.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	334992	112.710	ug/l	100
59) 2-Hexanone	10.75	43	474274	121.844	ug/l	99
60) Dibromochloromethane	10.90	129	87724	21.085	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85730	21.391	ug/l	99
64) Tetrachloroethene	10.63	164	58784	18.874	ug/l	97
65) Chlorobenzene	11.44	112	227320	20.227	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	88082	21.615	ug/l	99
67) Ethyl Benzene	11.51	91	401385	20.844	ug/l	100
68) m/p-Xylenes	11.63	106	289872	39.968	ug/l	97
69) o-Xylene	11.95	106	143461	20.117	ug/l	99
70) Styrene	11.97	104	259261	21.100	ug/l	99
71) Bromoform	12.13	173	54826	20.437	ug/l #	98
73) Isopropylbenzene	12.25	105	405493	21.546	ug/l	99
74) N-amyl acetate	12.08	43	182767	23.214	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	151355	24.015	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	170292	31.646	ug/l #	100
77) Bromobenzene	12.53	156	98469	20.800	ug/l	98
78) n-propylbenzene	12.60	91	468517	21.907	ug/l	99
79) 2-Chlorotoluene	12.68	91	287538	21.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	348088	21.872	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	29213	20.069	ug/l	87
82) 4-Chlorotoluene	12.78	91	299823	21.340	ug/l	100
83) tert-Butylbenzene	13.00	119	305987	21.560	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	345533	21.817	ug/l	99
85) sec-Butylbenzene	13.18	105	406735	21.916	ug/l	98
86) p-Isopropyltoluene	13.30	119	357242	21.652	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	181713	21.015	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	181952	20.612	ug/l	97
89) n-Butylbenzene	13.62	91	318544	20.364	ug/l	98
90) Hexachloroethane	13.88	117	55760	21.007	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	187645	21.634	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25438	22.419	ug/l	96

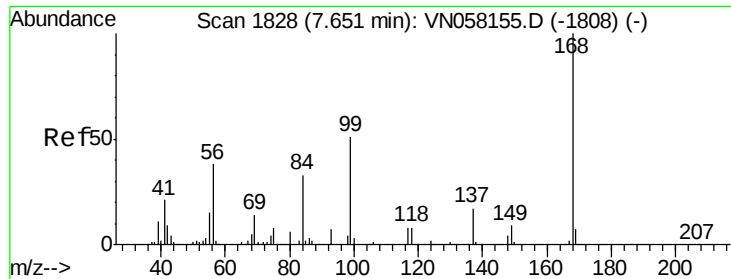
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
Data File : VN058319.D
Acq On : 24 Sep 2019 1:53
Operator : JC/SP
Sample : VN0920WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Quant Time: Sep 24 07:08:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	106450	19.209	ug/l	99
94) Hexachlorobutadiene	15.02	225	49575	18.508	ug/l	100
95) Naphthalene	15.14	128	310098	21.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	104098	19.874	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: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

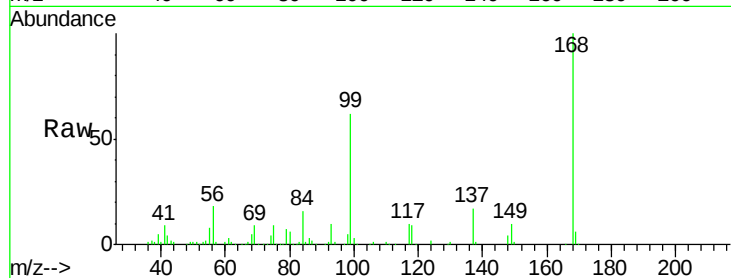
VN0923WBSD02

Tot Ion:168 Resp: 398369

Ion Ratio Lower Upper

168 100

99 61.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

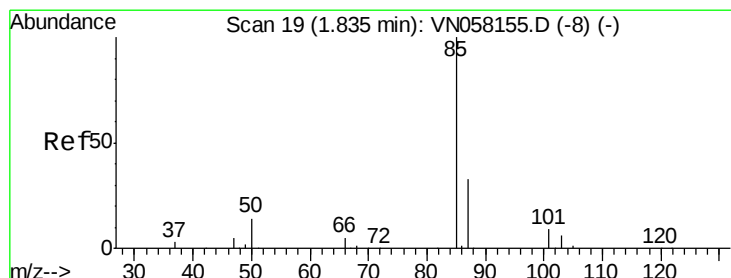
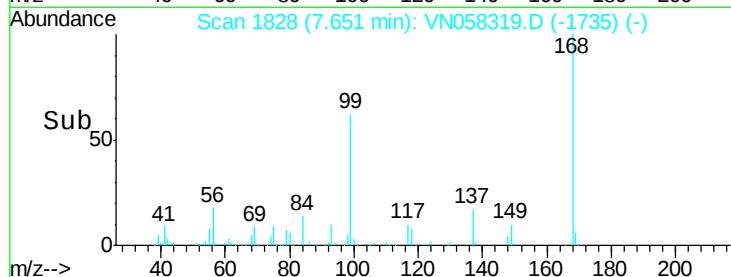
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.950 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058319.D

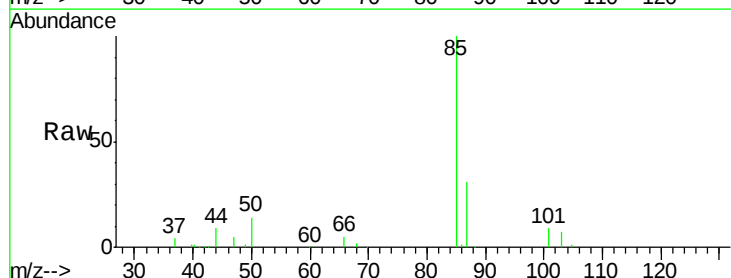
Acq: 24 Sep 2019 1:53

Tgt Ion: 85 Resp: 62015

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

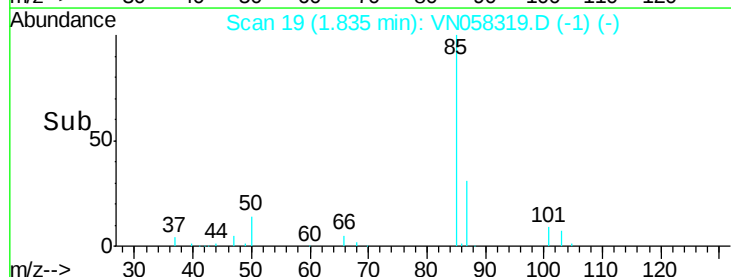
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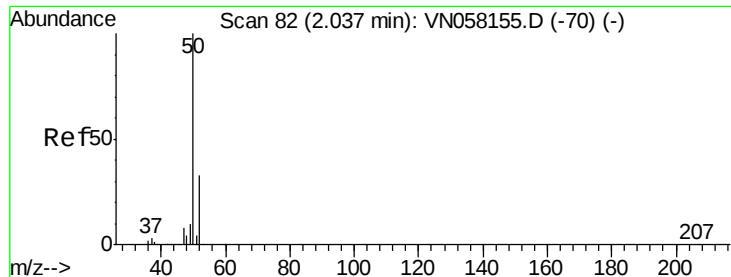
20000

10000

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Time-->





#3

Chloromethane

Concen: 21.507 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

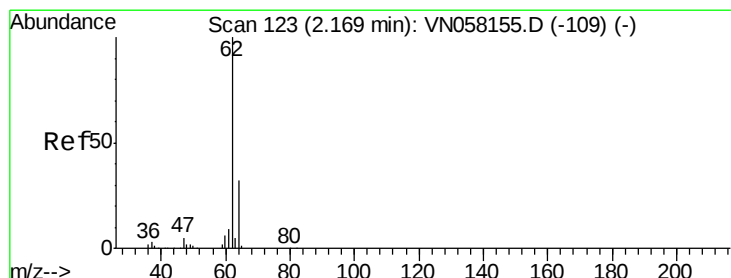
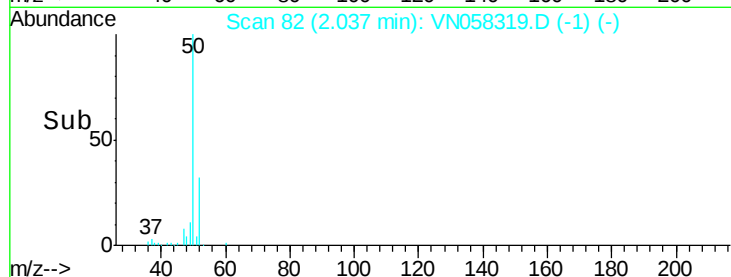
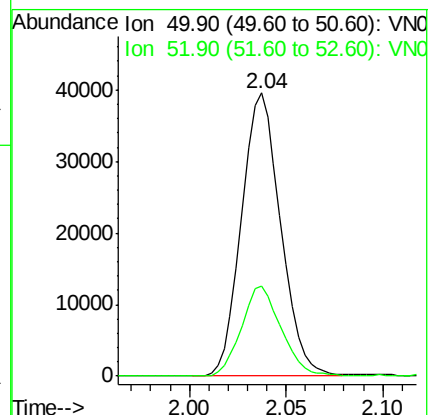
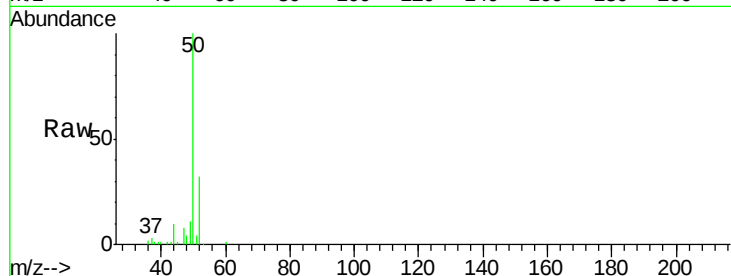
VN0923WBSD02

Tot Ion: 50 Resp: 55738

Ion Ratio Lower Upper

50 100

52 31.8 26.3 39.5



#4

Vinyl Chloride

Concen: 20.836 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058319.D

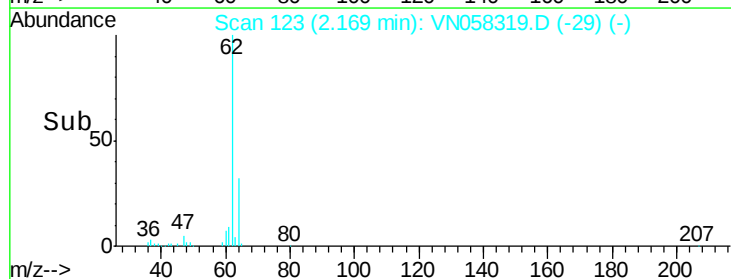
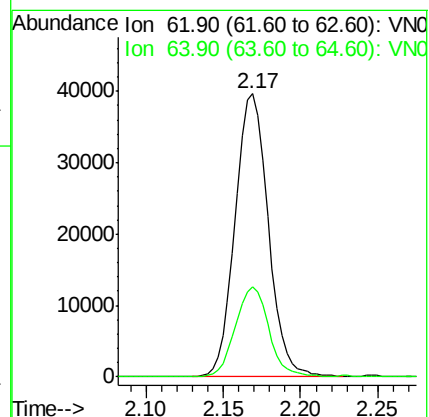
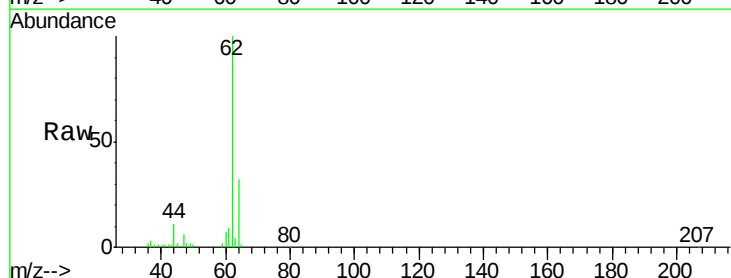
Acq: 24 Sep 2019 1:53

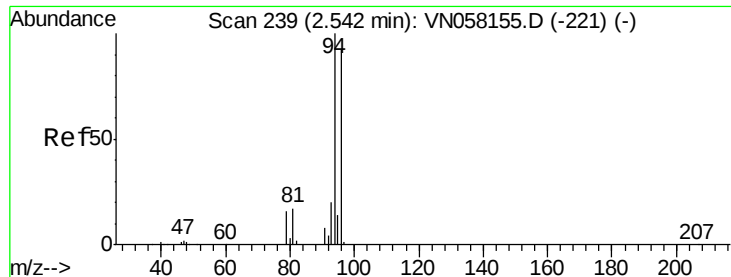
Tgt Ion: 62 Resp: 58931

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 21.080 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

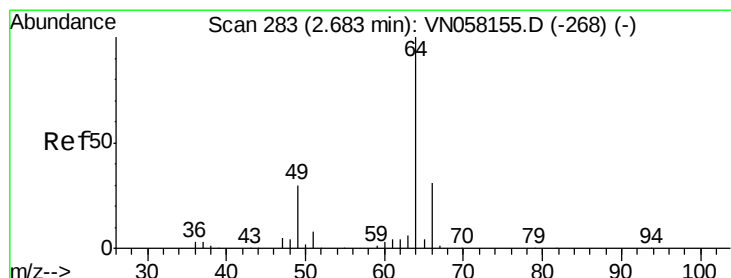
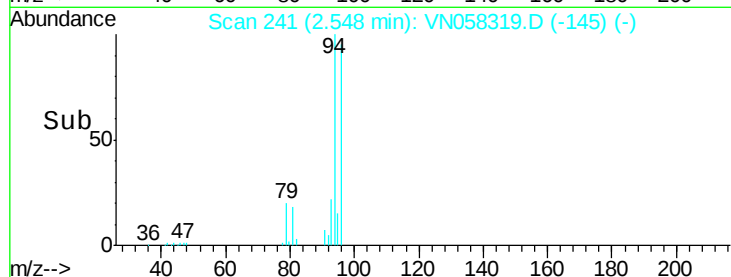
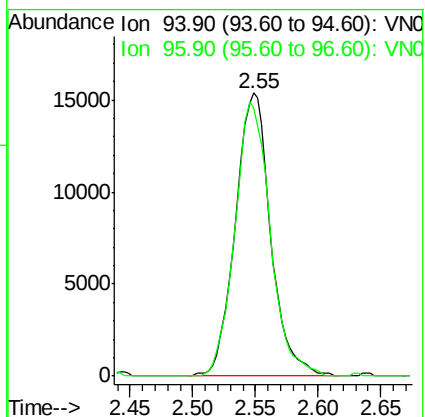
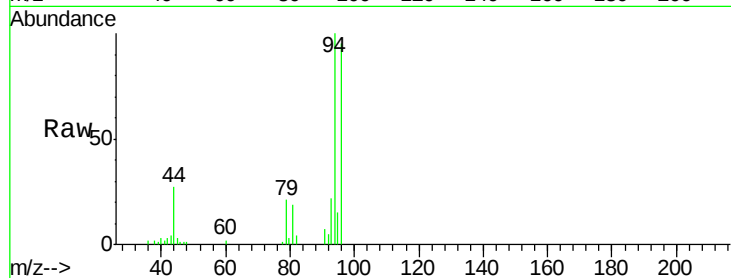
VN0923WBSD02

Tot Ion: 94 Resp: 30161

Ion Ratio Lower Upper

94 100

96 94.7 73.3 109.9



#6

Chloroethane

Concen: 23.024 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058319.D

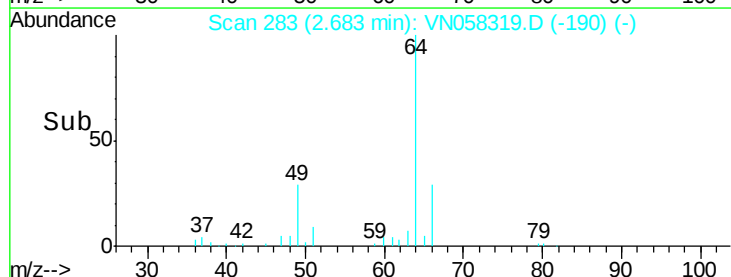
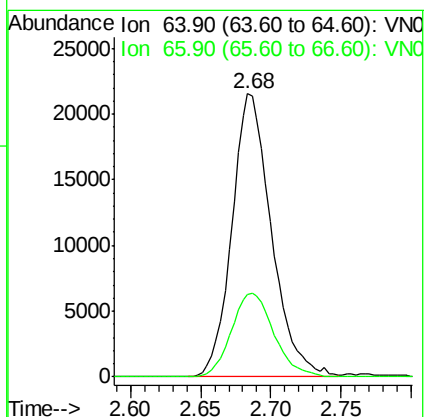
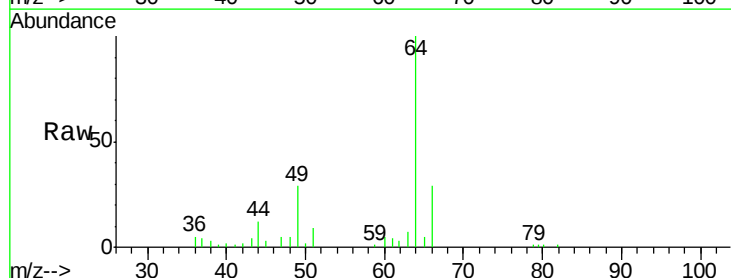
Acq: 24 Sep 2019 1:53

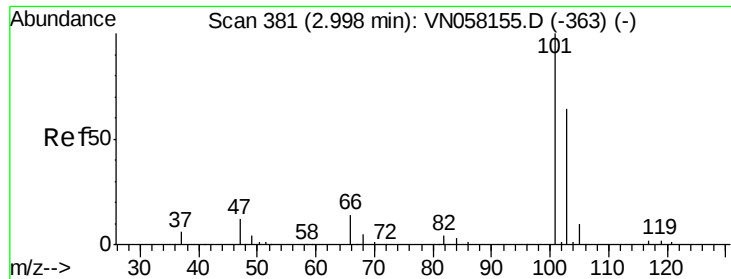
Tgt Ion: 64 Resp: 42352

Ion Ratio Lower Upper

64 100

66 29.3 24.6 37.0



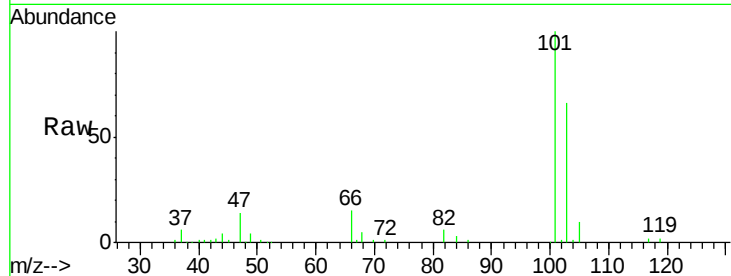


#7

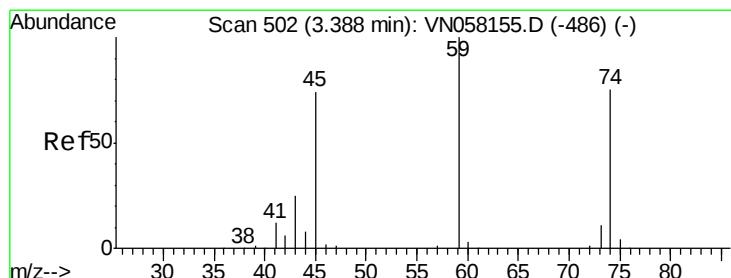
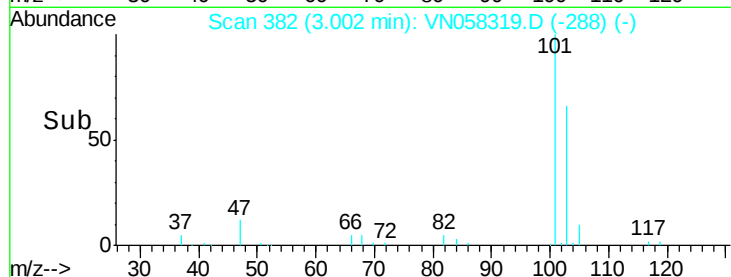
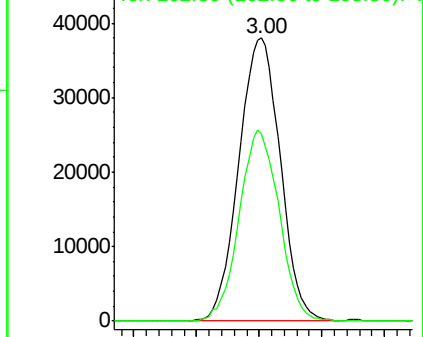
Trichlorofluoromethane
Concen: 19.543 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion:101 Resp: 87294
Ion Ratio Lower Upper
101 100
103 66.0 51.0 76.6



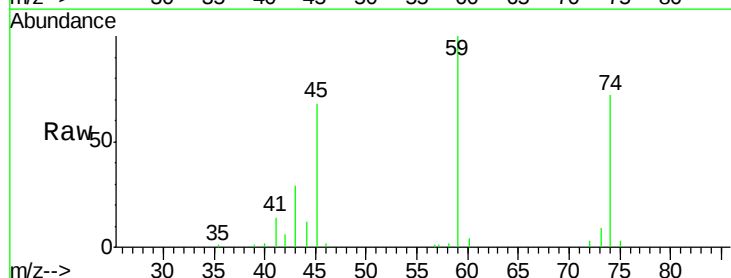
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



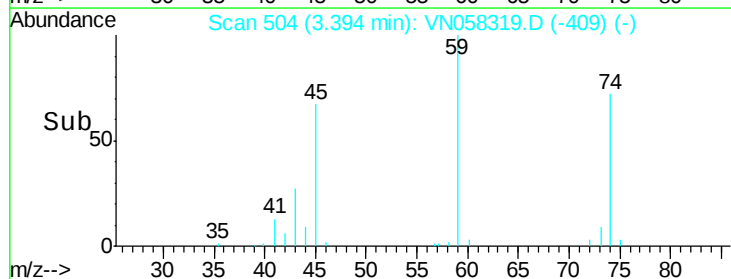
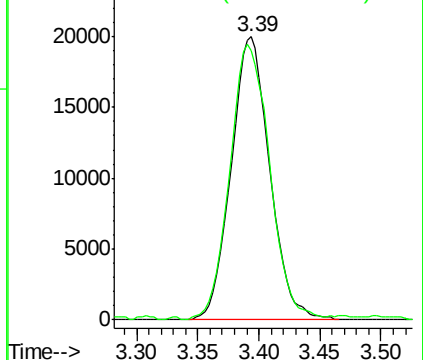
#8

Diethyl Ether
Concen: 21.383 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 74 Resp: 43765
Ion Ratio Lower Upper
74 100
45 101.1 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.373 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

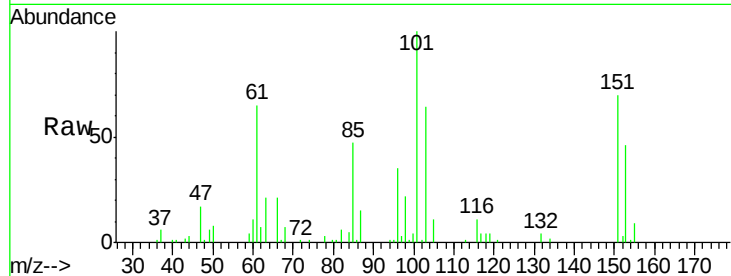
Tot Ion:101 Resp: 65612

Ion Ratio Lower Upper

101 100

85 47.6 37.3 55.9

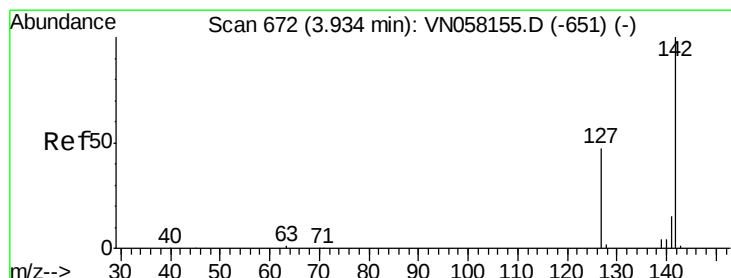
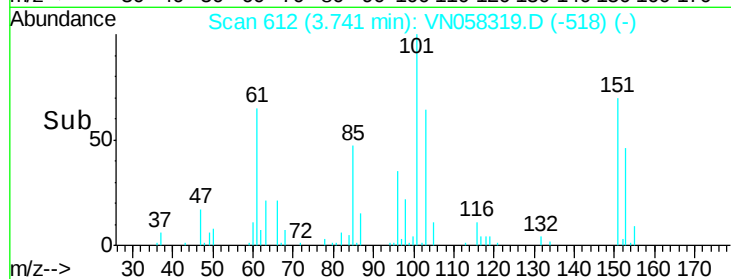
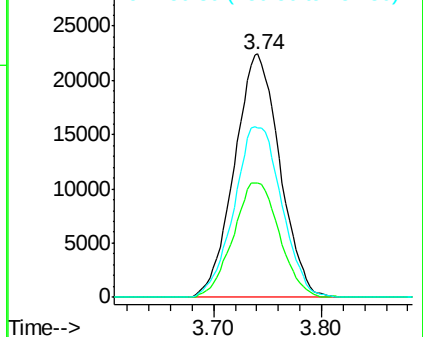
151 73.5 59.6 89.4



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: 17.926 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

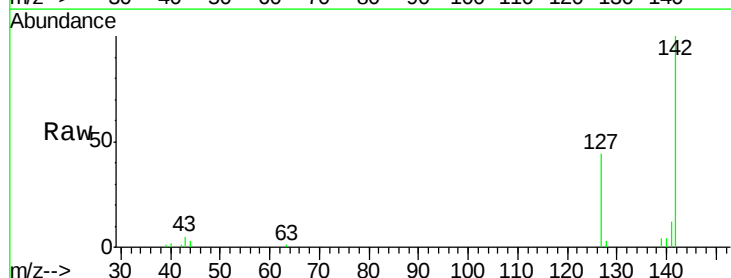
Tgt Ion:142 Resp: 48375

Ion Ratio Lower Upper

142 100

127 46.4 37.5 56.3

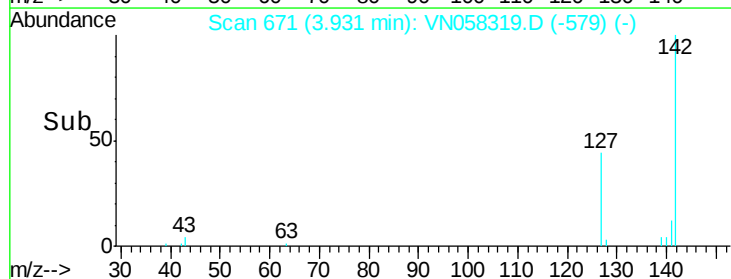
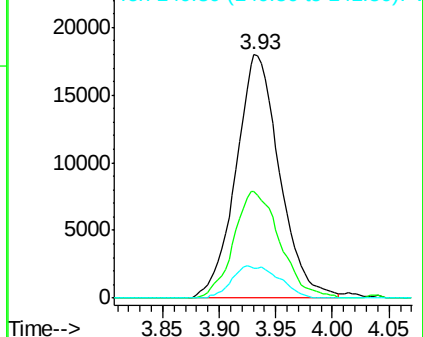
141 14.3 11.4 17.2

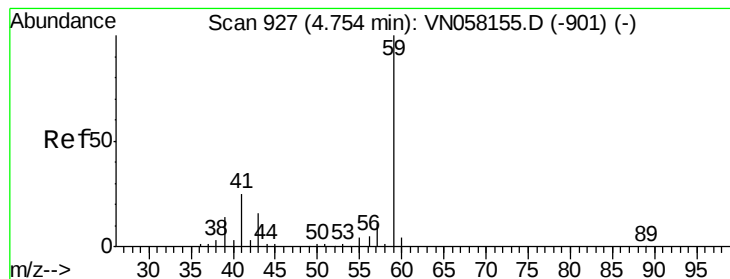


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



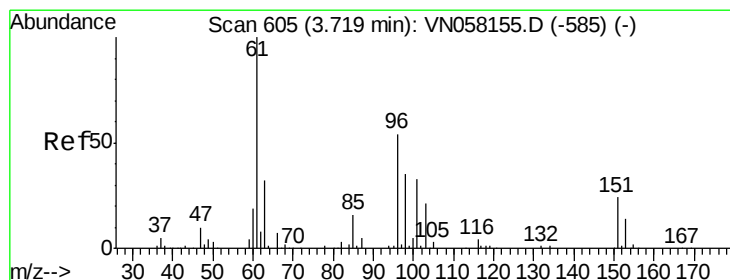
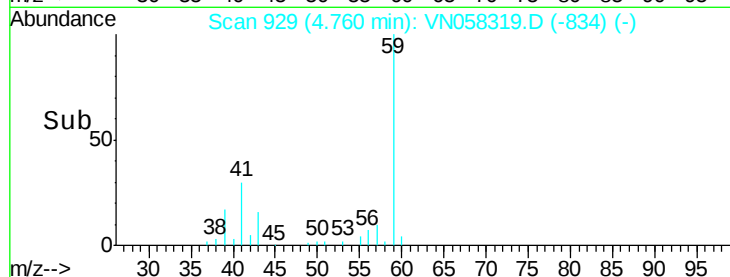
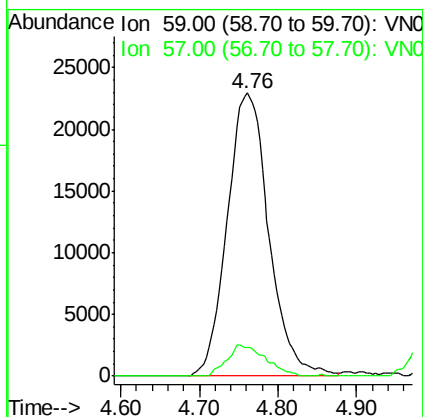
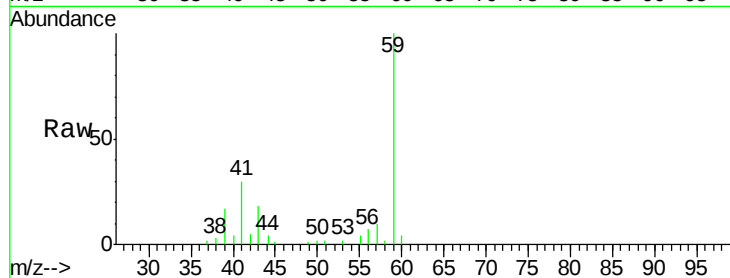


#11

Tert butyl alcohol
 Concen: 128.068 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

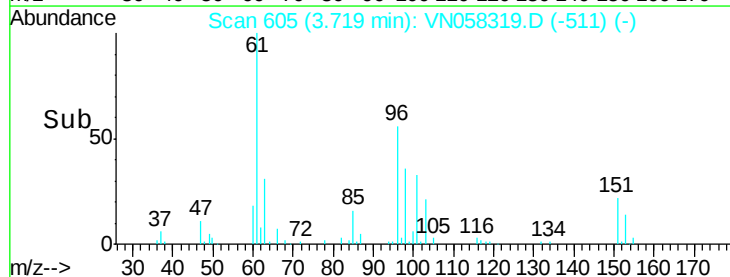
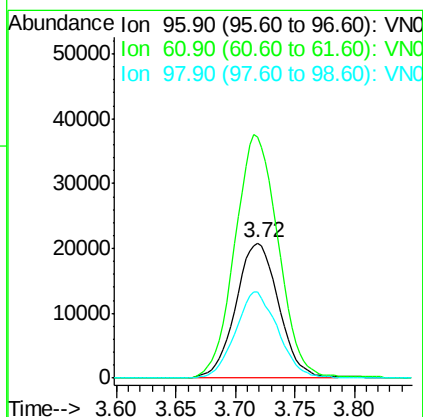
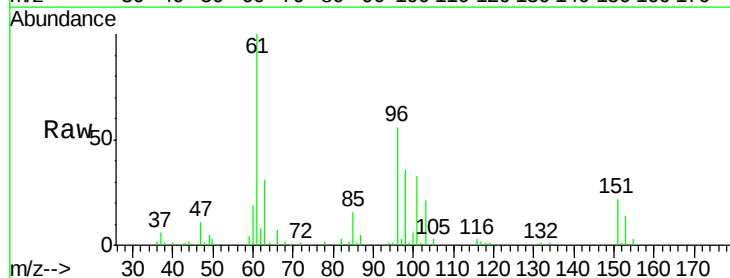
Tot Ion: 59 Resp: 84526
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.6 13.0



#12

1,1-Dichloroethene
 Concen: 21.051 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion: 96 Resp: 51952
 Ion Ratio Lower Upper
 96 100
 61 178.2 149.5 224.3
 98 63.7 52.4 78.6





#13

Acrolein

Concen: 165.544 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

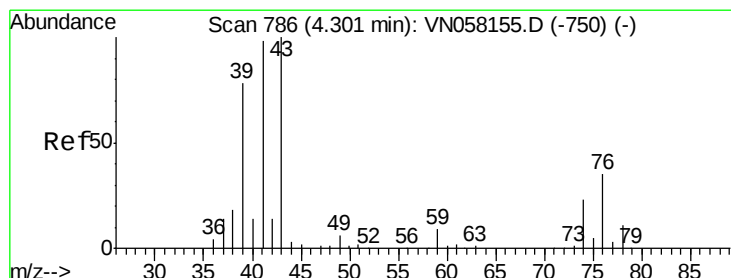
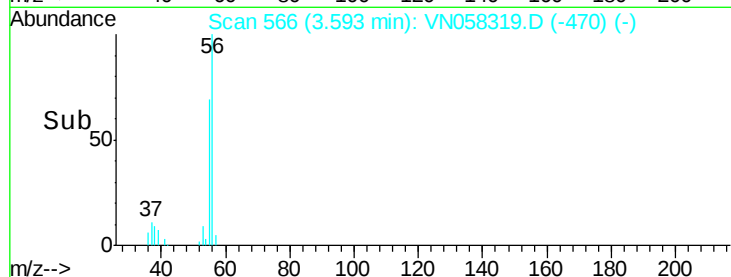
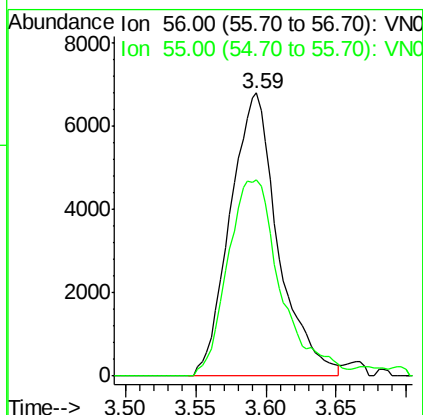
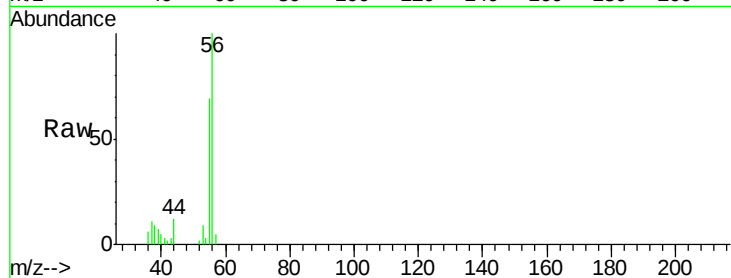
VN0923WBSD02

Tot Ion: 56 Resp: 16192

Ion Ratio Lower Upper

56 100

55 76.2 56.1 84.1



#14

Allyl chloride

Concen: 17.873 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

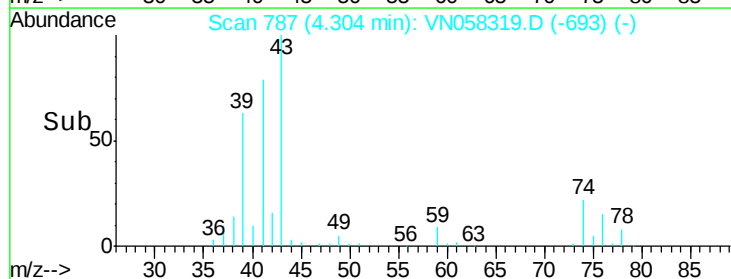
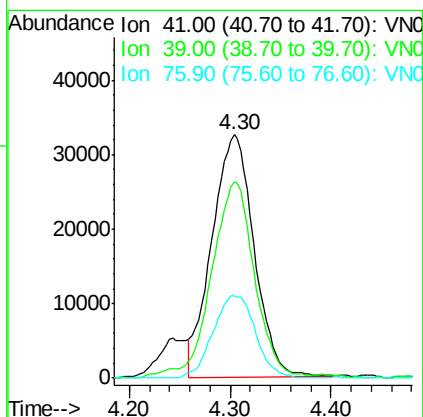
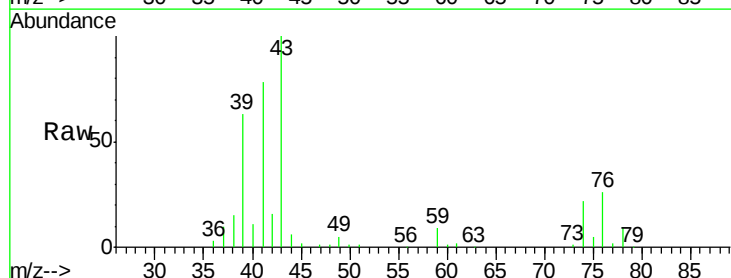
Tgt Ion: 41 Resp: 94190

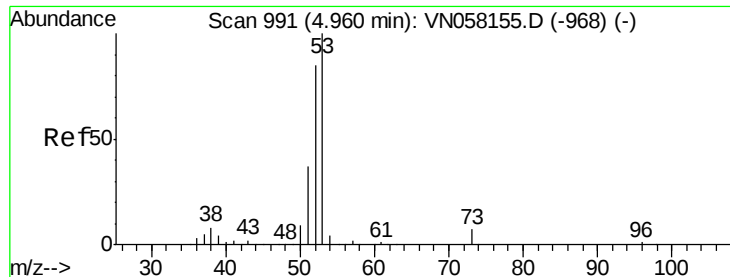
Ion Ratio Lower Upper

41 100

39 83.4 59.1 88.7

76 34.3 25.1 37.7





#15

Acrylonitrile

Concen: 127.150 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

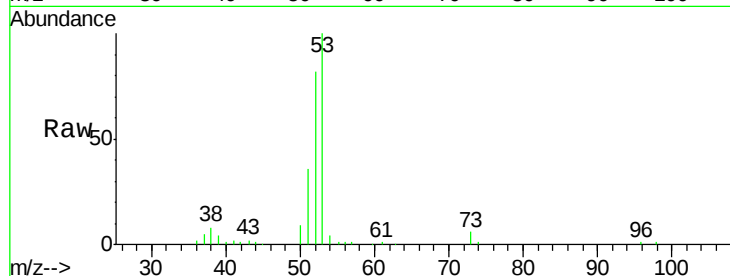
Tot Ion: 53 Resp: 223586

Ion Ratio Lower Upper

53 100

52 81.9 66.6 100.0

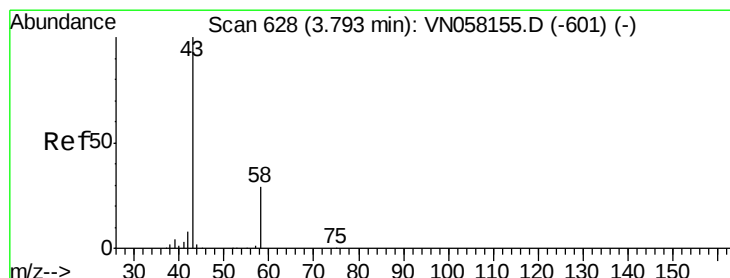
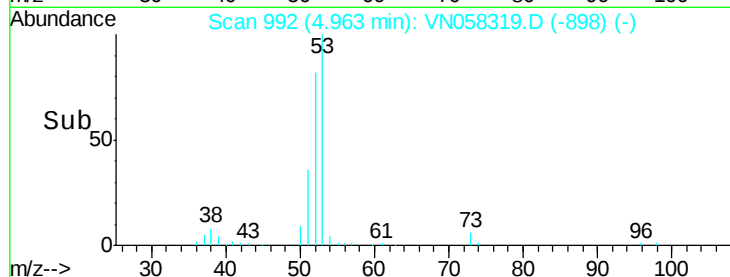
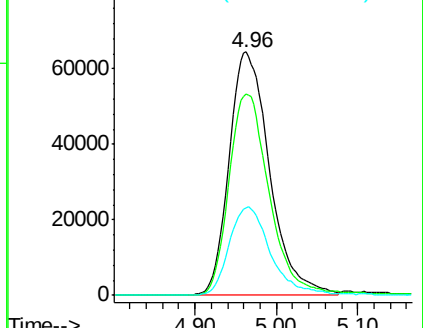
51 36.9 29.7 44.5



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: 101.333 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058319.D

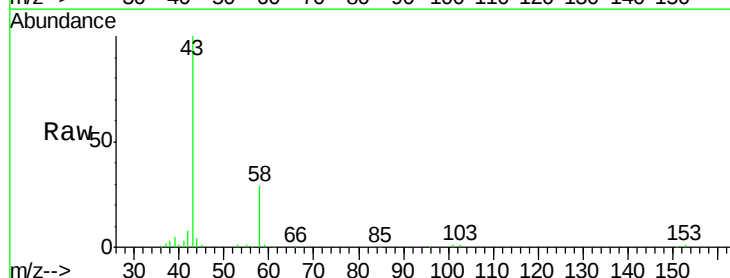
Acq: 24 Sep 2019 1:53

Tgt Ion: 43 Resp: 190849

Ion Ratio Lower Upper

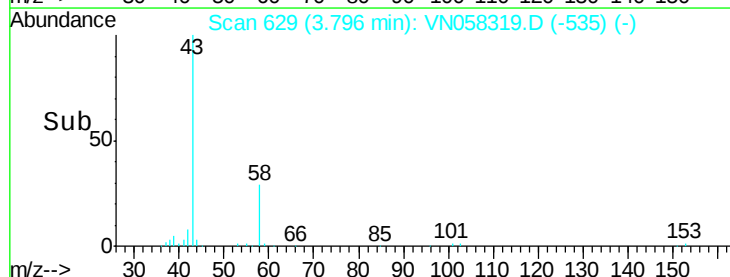
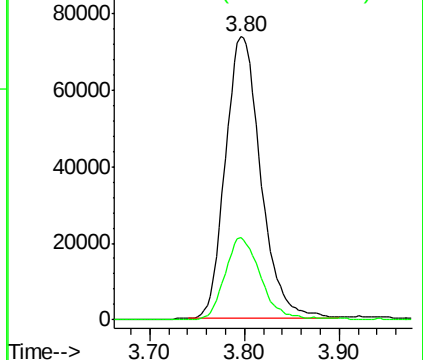
43 100

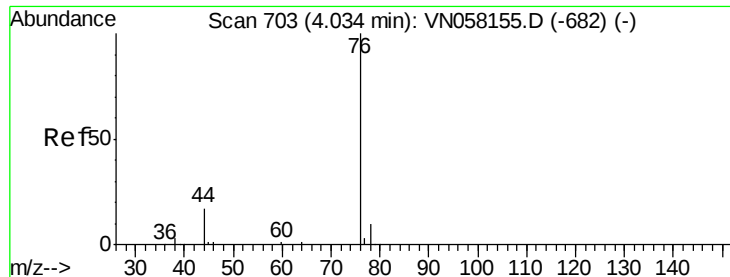
58 29.1 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.080 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

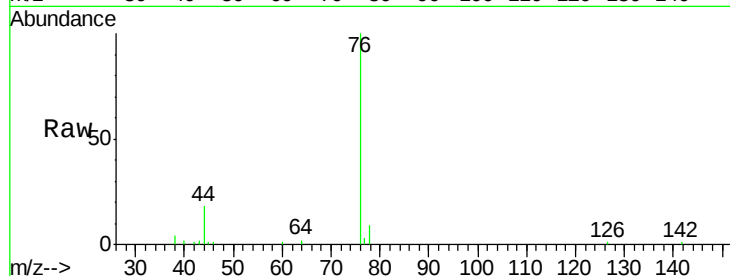
VN0923WBSD02

Tot Ion: 76 Resp: 61602

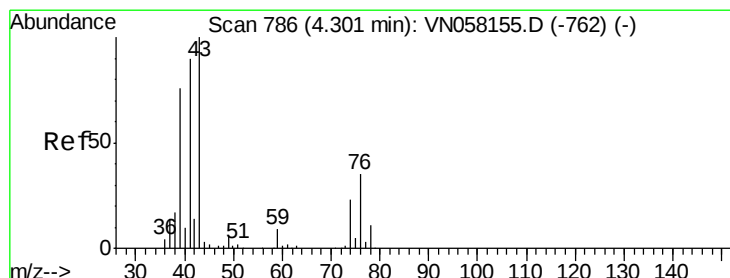
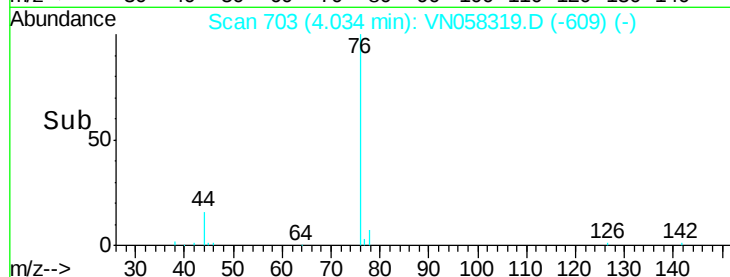
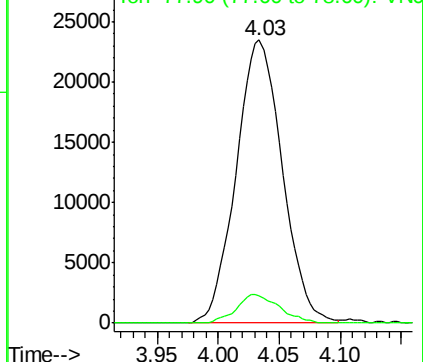
Ion Ratio Lower Upper

76 100

78 9.5 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 25.405 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058319.D

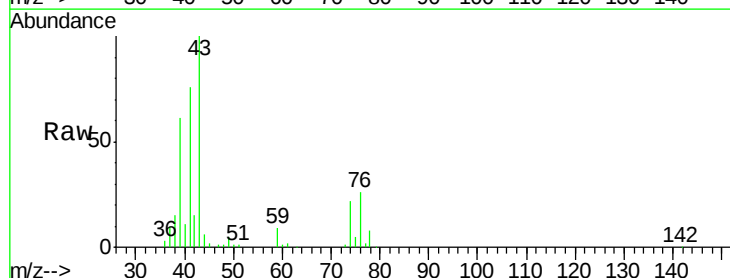
Acq: 24 Sep 2019 1:53

Tgt Ion: 43 Resp: 125900

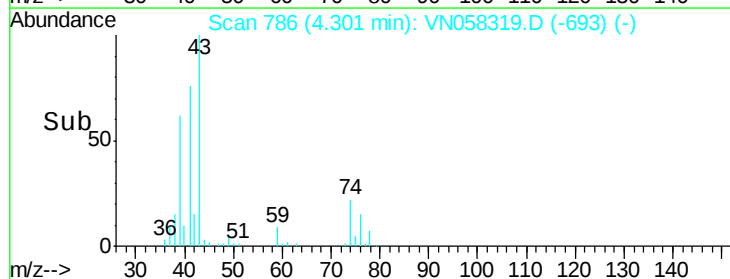
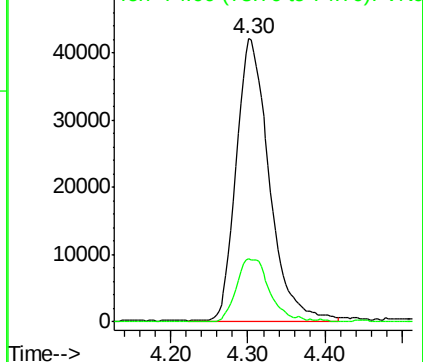
Ion Ratio Lower Upper

43 100

74 22.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

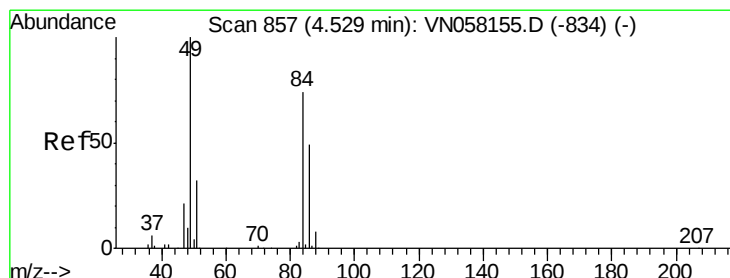
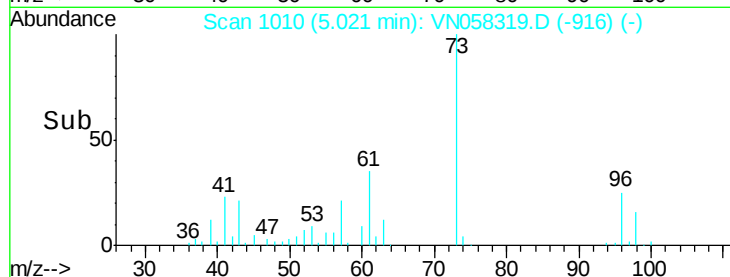
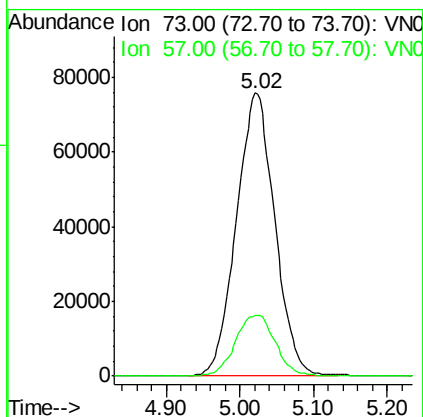
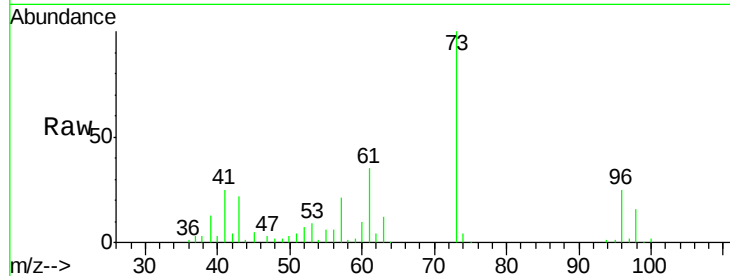




#19
Methyl tert-butyl Ether
Concen: 22.657 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

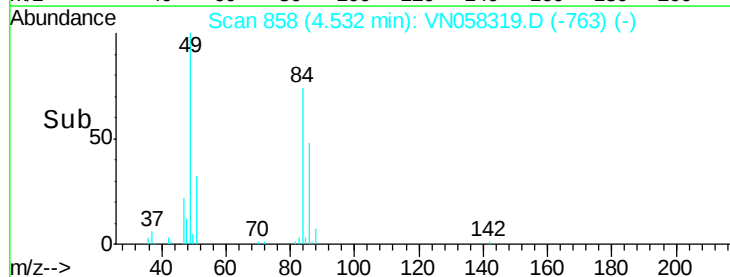
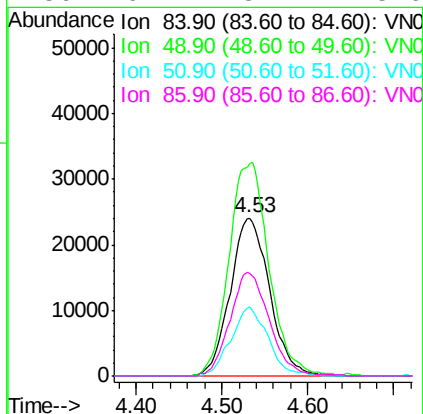
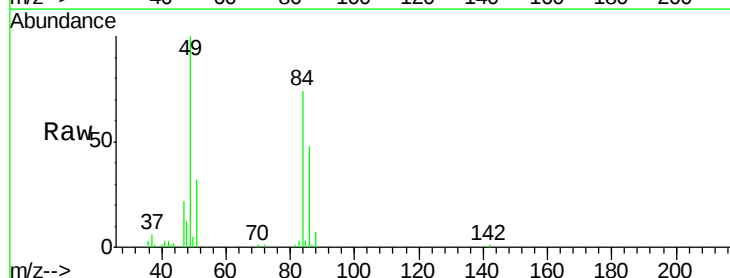
Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD02

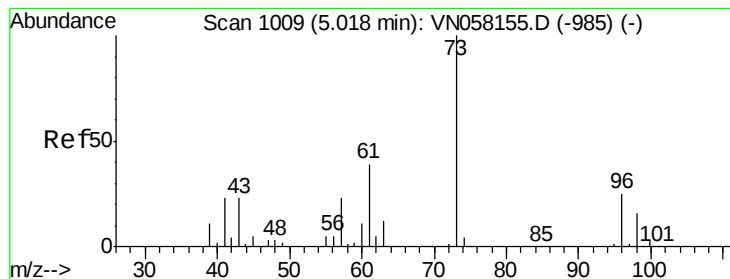
Tot Ion: 73 Resp: 275208
Ion Ratio Lower Upper
73 100
57 21.4 18.1 27.1



#20
Methylene Chloride
Concen: 23.143 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 84 Resp: 76706
Ion Ratio Lower Upper
84 100
49 134.9 107.5 161.3
51 43.5 33.9 50.9
86 64.7 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.741 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

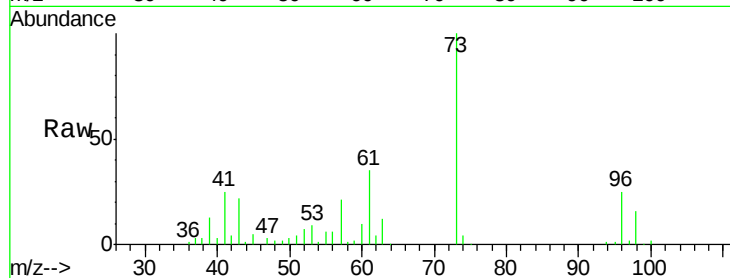
Tot Ion: 96 Resp: 58508

Ion Ratio Lower Upper

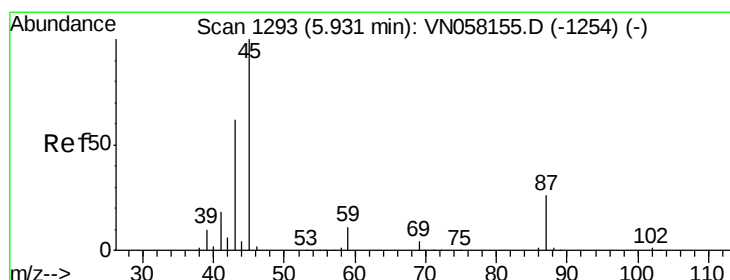
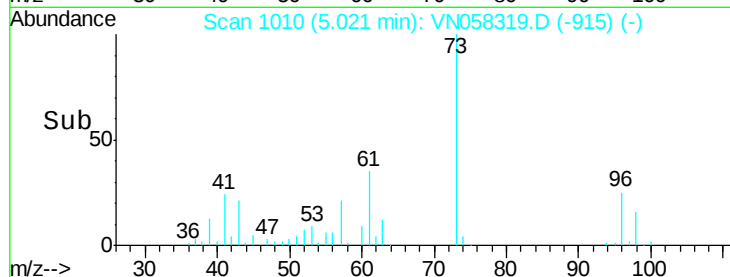
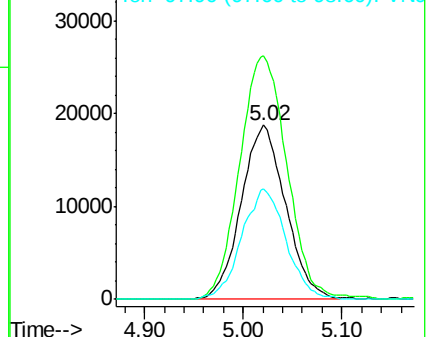
96 100

61 139.7 122.2 183.4

98 63.6 49.9 74.9



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



#22

Diisopropyl ether

Concen: 22.146 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tgt Ion: 45 Resp: 296457

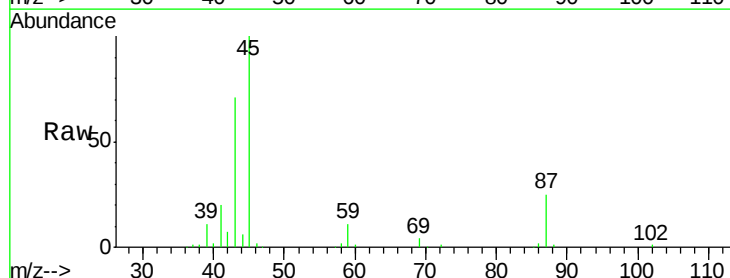
Ion Ratio Lower Upper

45 100

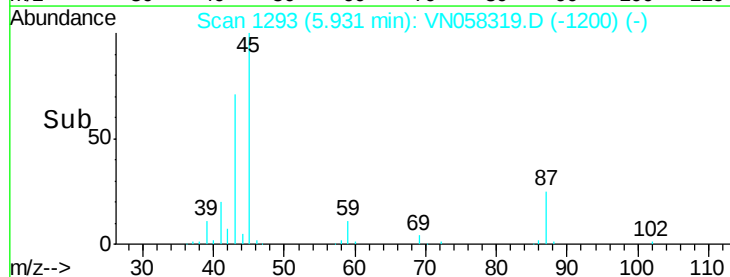
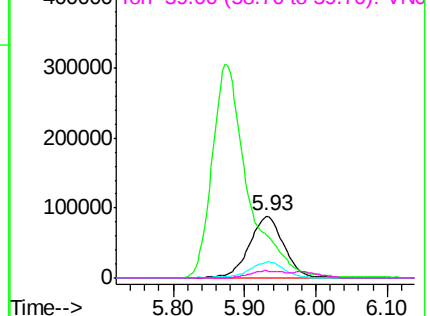
43 68.6 49.7 74.5

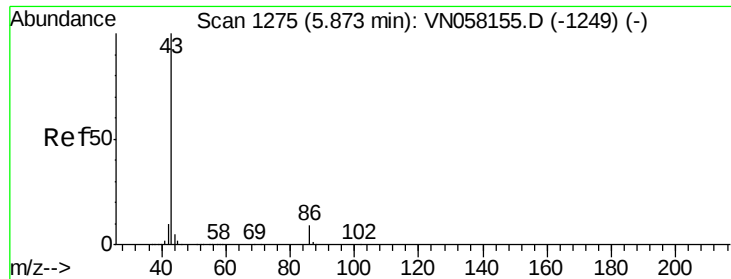
87 24.9 20.7 31.1

59 11.1 9.1 13.7



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





#23

Vinyl Acetate

Concen: 115.110 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

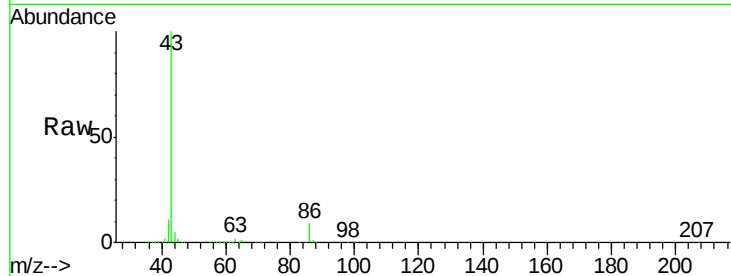
VN0923WBSD02

Tot Ion: 43 Resp: 1054386

Ion Ratio Lower Upper

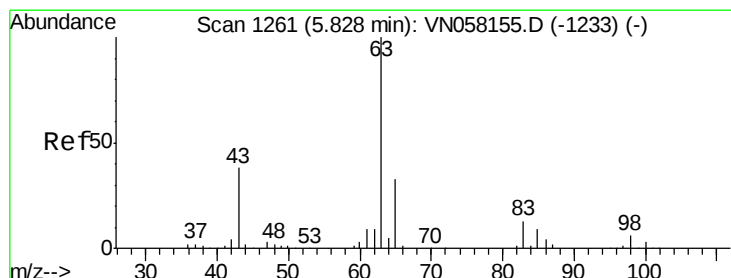
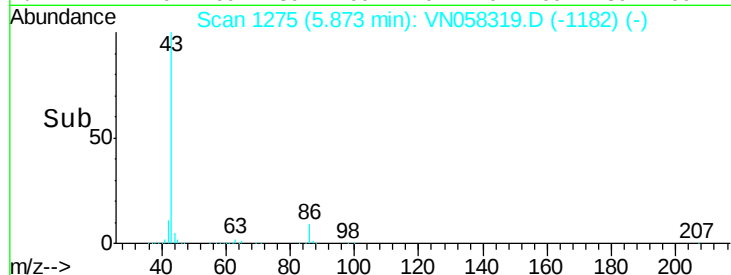
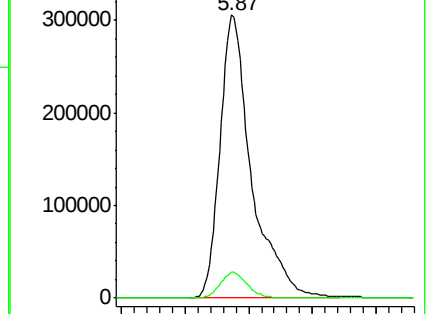
43 100

86 9.0 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.136 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

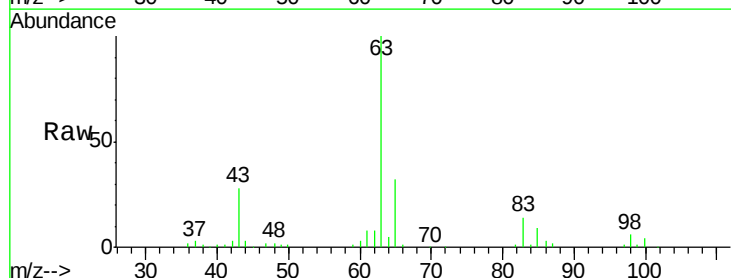
Tgt Ion: 63 Resp: 158151

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

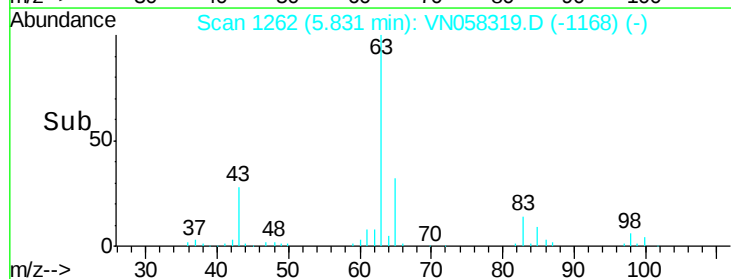
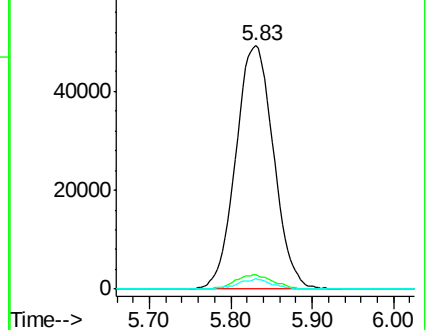
100 4.2 1.8 5.3

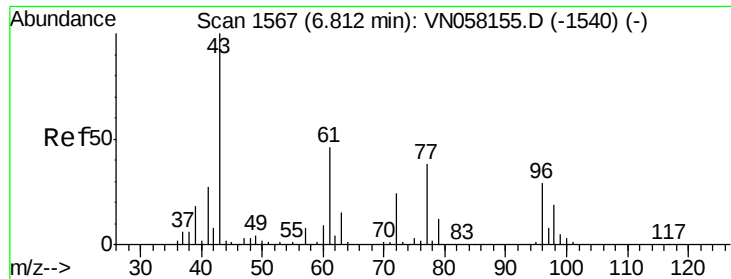


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 120.507 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

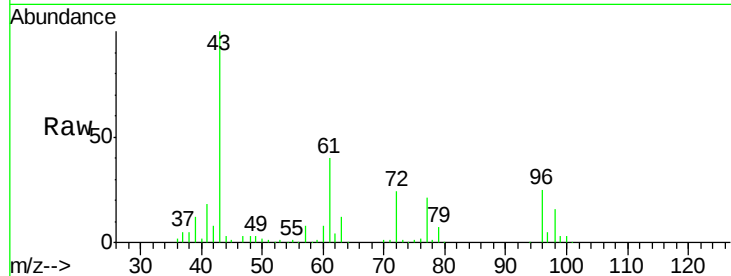
VN0923WBSD02

Tot Ion: 43 Resp: 309207

Ion Ratio Lower Upper

43 100

72 23.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN058319.D (-1474) (-)

Ion 72.00 (71.70 to 72.70): VN058319.D (-1474) (-)

6.82

120000

100000

80000

60000

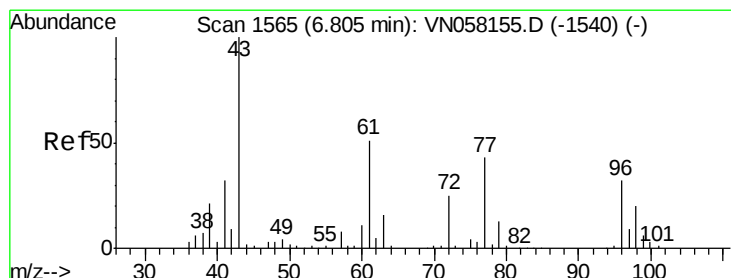
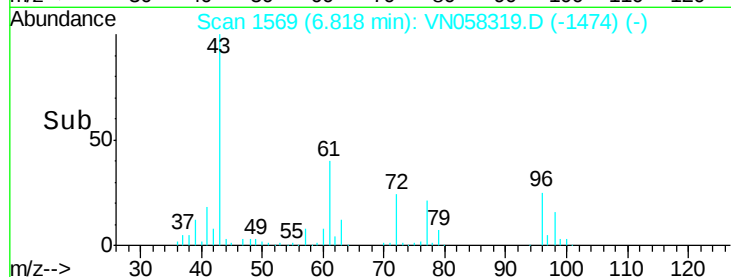
40000

20000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 14.228 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058319.D

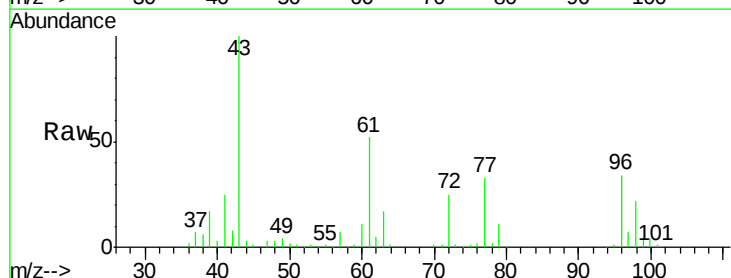
Acq: 24 Sep 2019 1:53

Tgt Ion: 77 Resp: 86242

Ion Ratio Lower Upper

77 100

97 23.5 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN058319.D (-1472) (-)

Ion 96.90 (96.60 to 97.60): VN058319.D (-1472) (-)

6.81

30000

25000

20000

15000

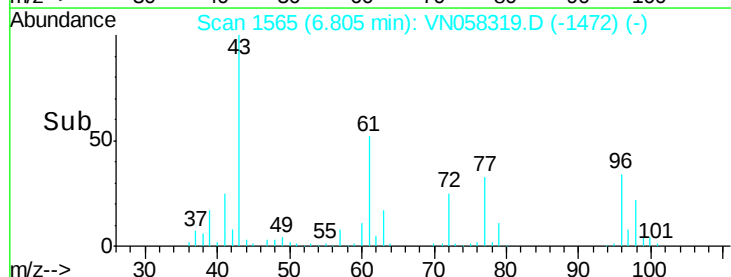
10000

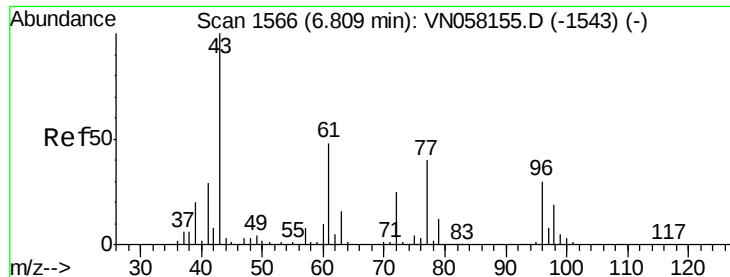
5000

0

6.70 6.80 6.90

Time-->

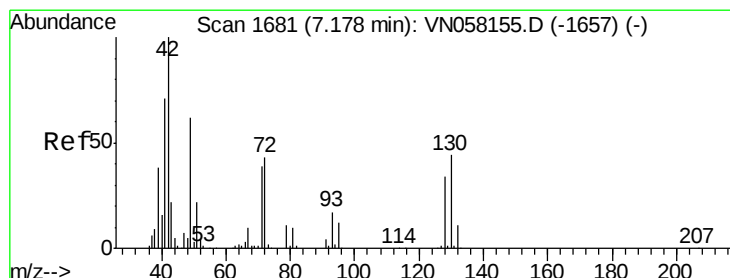
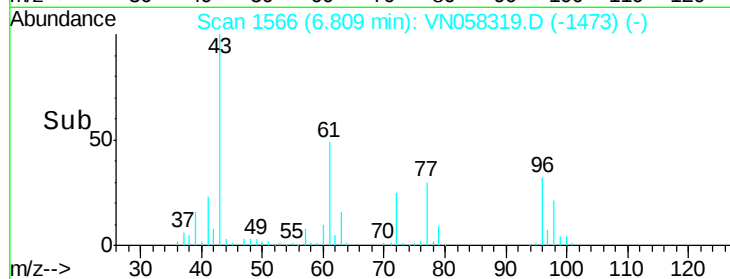
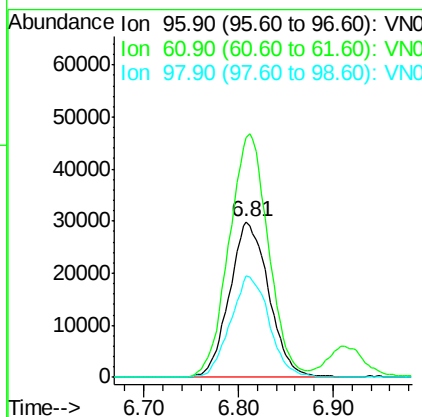
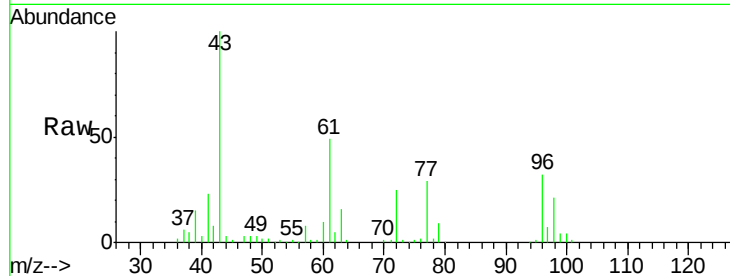




#27
 cis-1,2-Dichloroethene
 Concen: 21.312 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

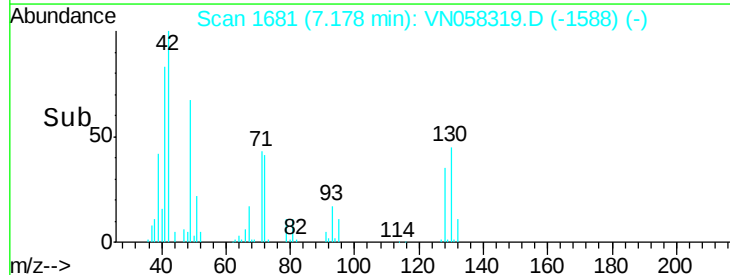
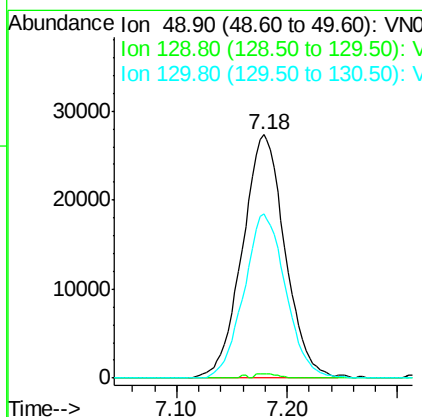
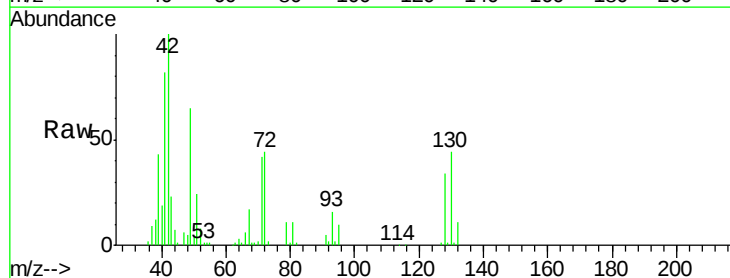
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

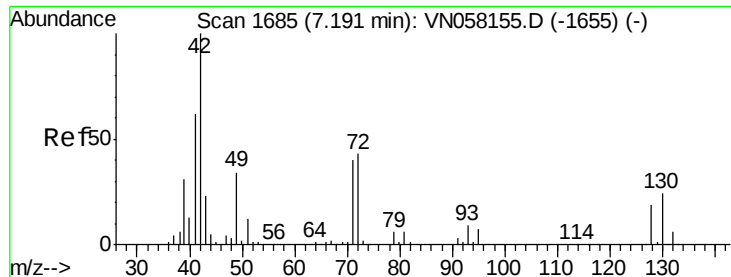
Tot Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	319.0
98	64.1	0.0	126.6



#28
 Bromochloromethane
 Concen: 21.655 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.8
130	65.9	55.4	83.2

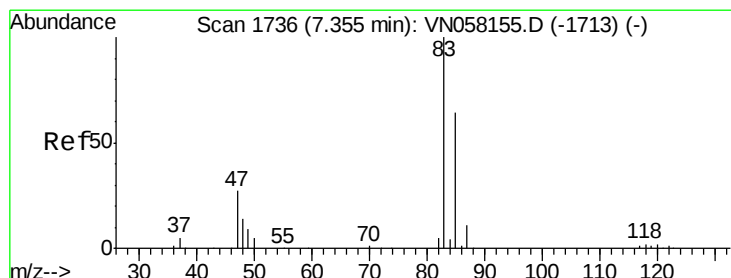
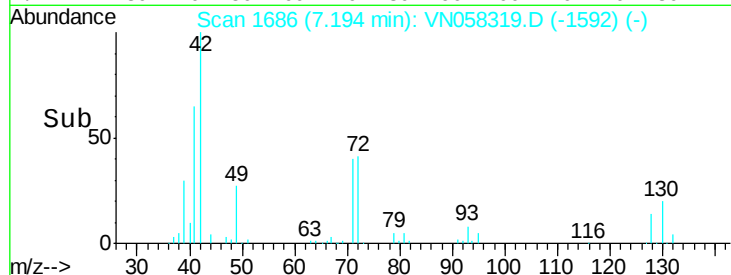
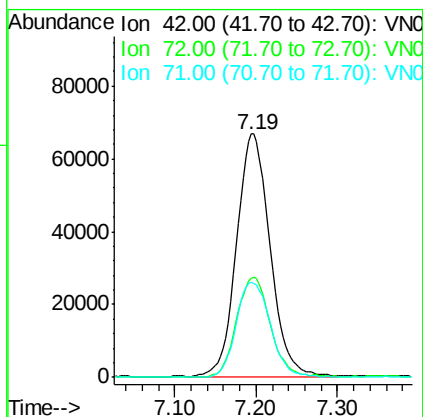
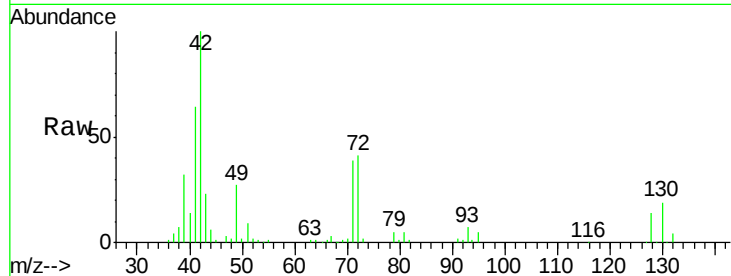




#29
Tetrahydrofuran
Concen: 119.610 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

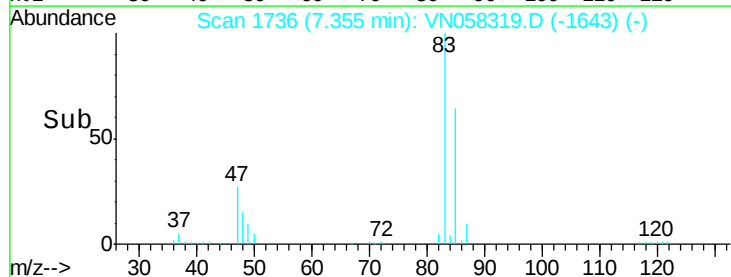
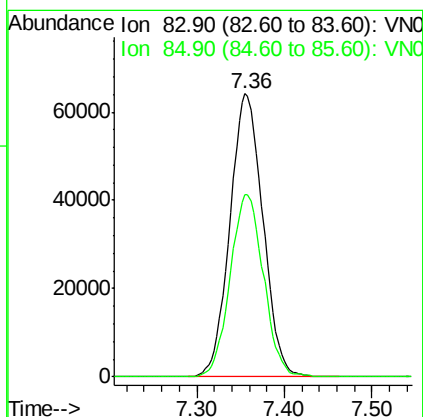
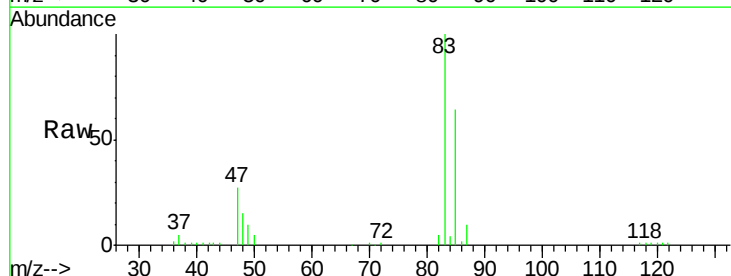
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

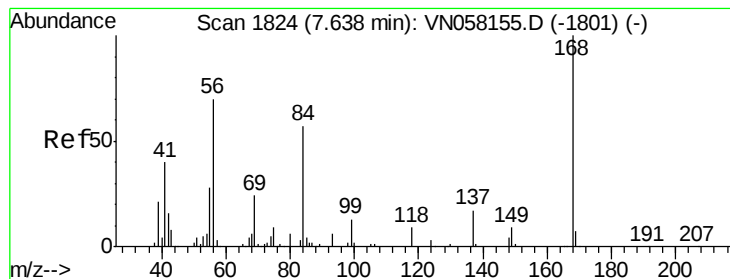
Tot Ion: 42 Resp: 189045
Ion Ratio Lower Upper
42 100
72 41.4 33.8 50.6
71 40.1 31.4 47.0



#30
Chloroform
Concen: 21.849 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 83 Resp: 168030
Ion Ratio Lower Upper
83 100
85 64.4 51.4 77.2





#31

Cyclohexane

Concen: 19.621 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

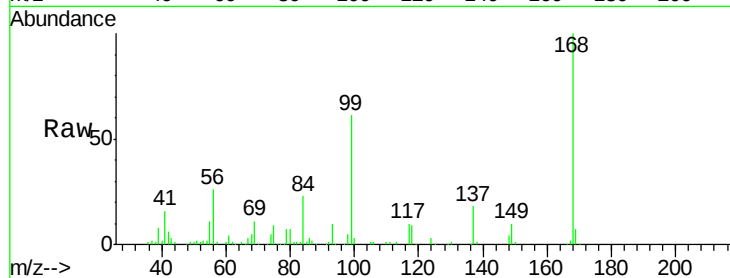
Tot Ion: 56 Resp: 97390

Ion Ratio Lower Upper

56 100

69 42.6 27.3 40.9#

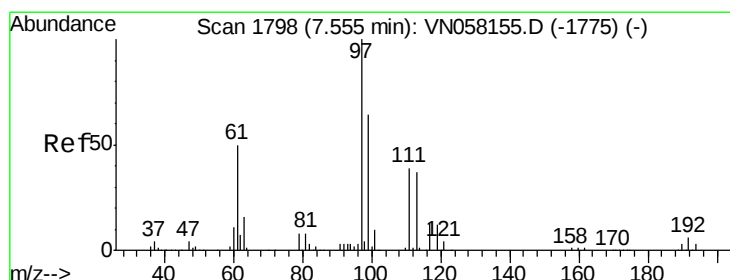
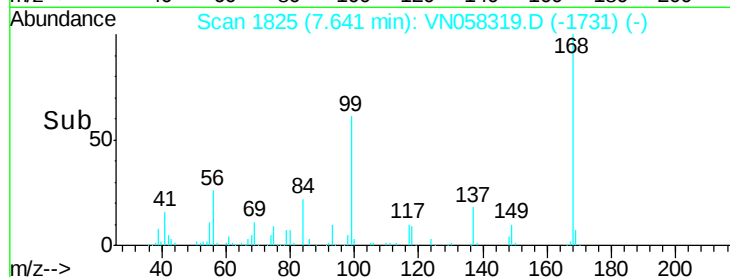
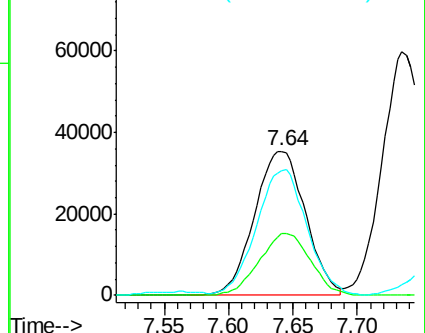
84 84.6 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.212 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

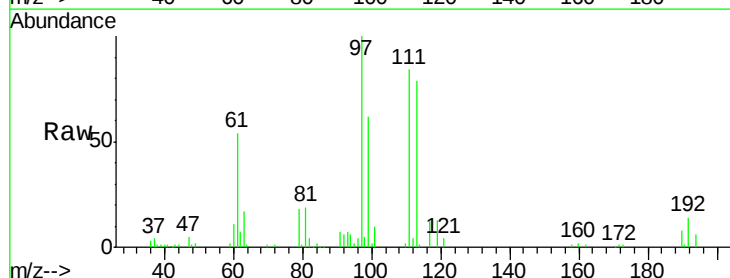
Tgt Ion: 97 Resp: 130042

Ion Ratio Lower Upper

97 100

99 60.9 50.9 76.3

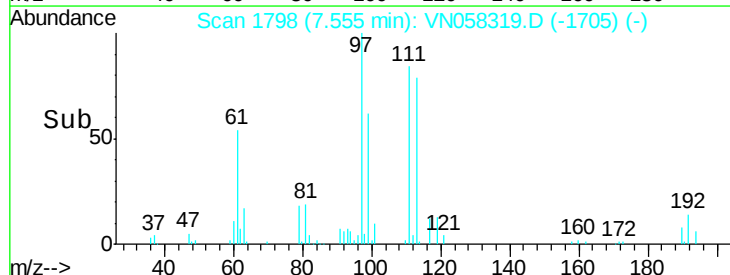
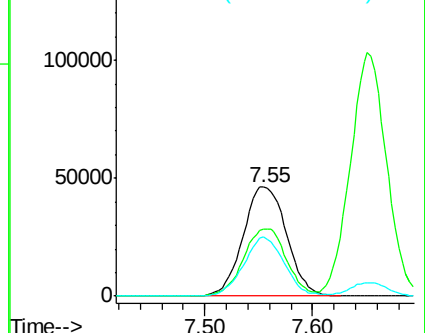
61 50.3 39.2 58.8

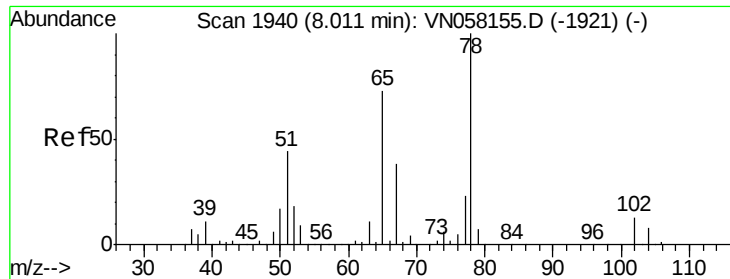


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

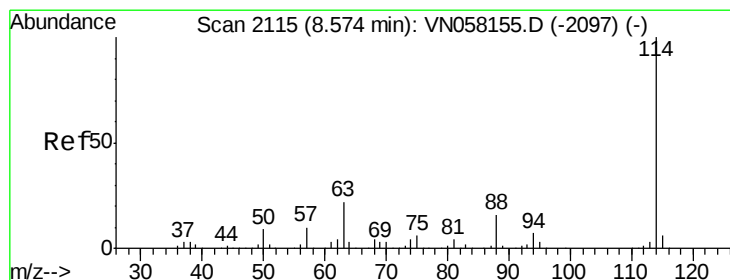
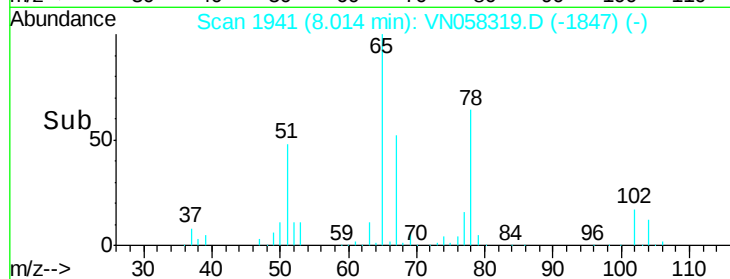
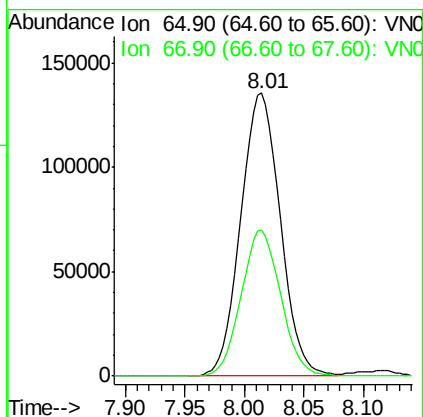
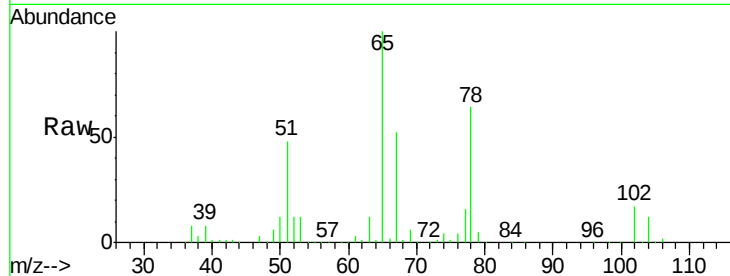




#33
 1,2-Dichloroethane-d4
 Concen: 56.351 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

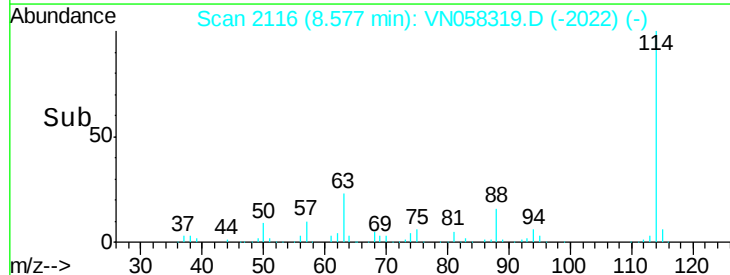
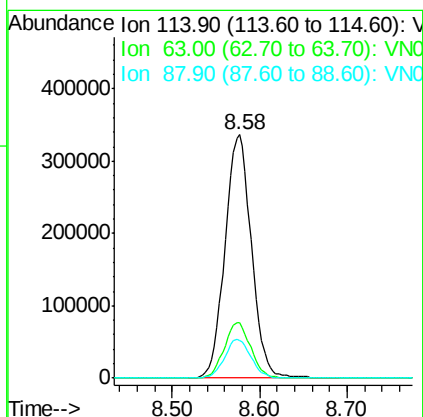
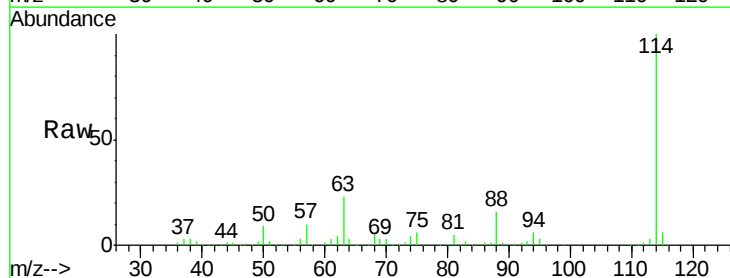
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

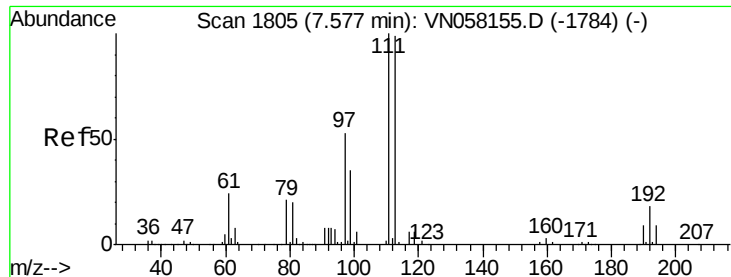
Tot Ion: 65 Resp: 312665
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion: 114 Resp: 705962
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.2
 88 15.6 0.0 31.6

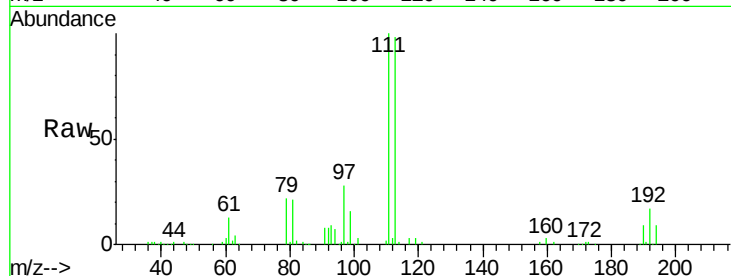




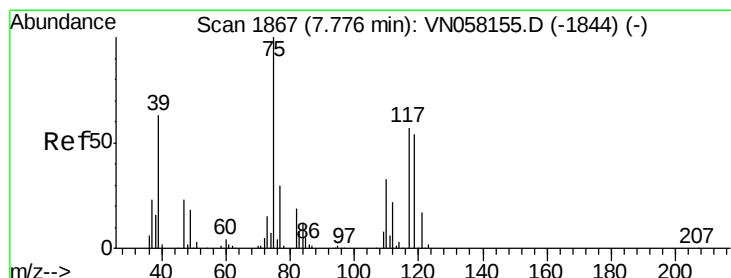
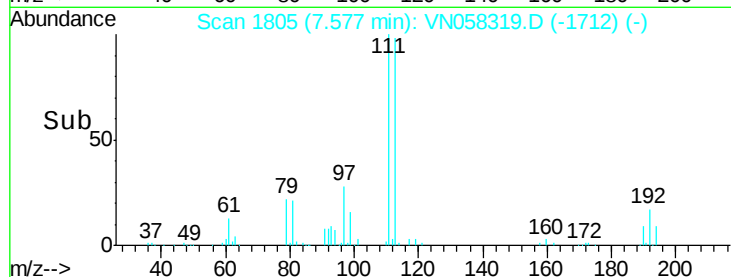
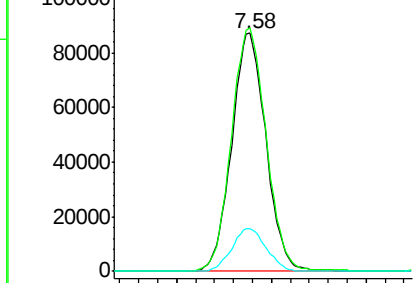
#35
 Dibromofluoromethane
 Concen: 51.133 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	18.1	14.5	21.7

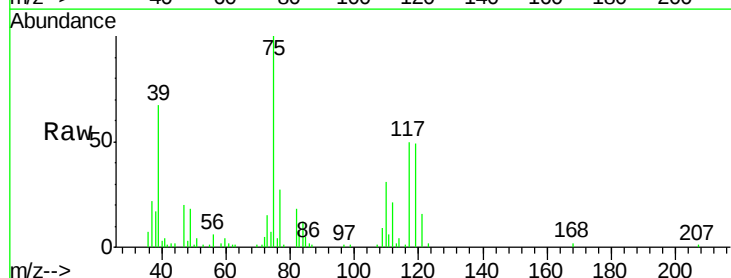


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

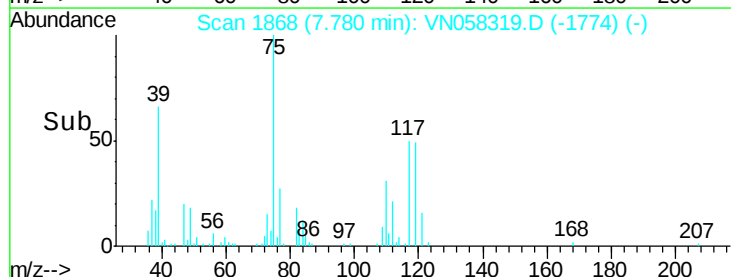
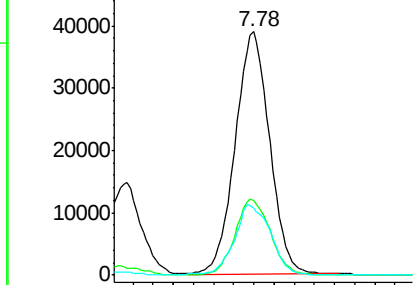


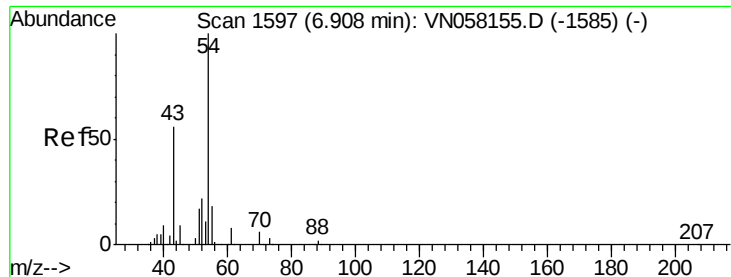
#36
 1,1-Dichloropropene
 Concen: 18.170 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.6	49.7
77	30.4	24.3	36.5



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

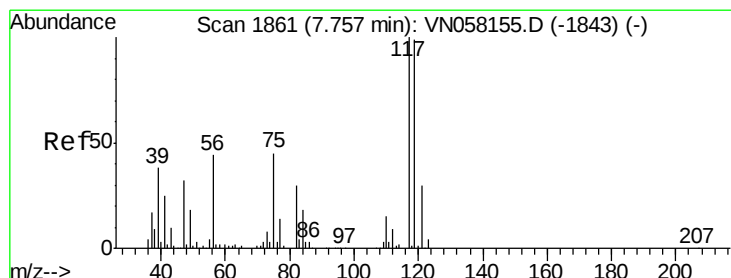
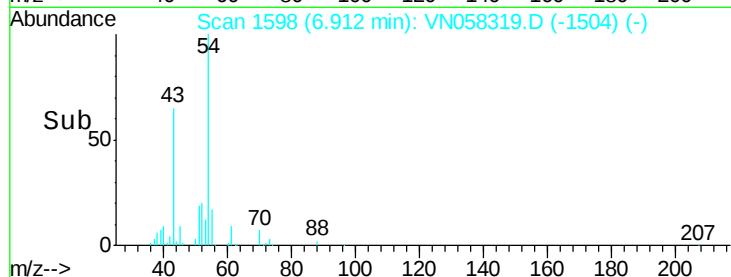
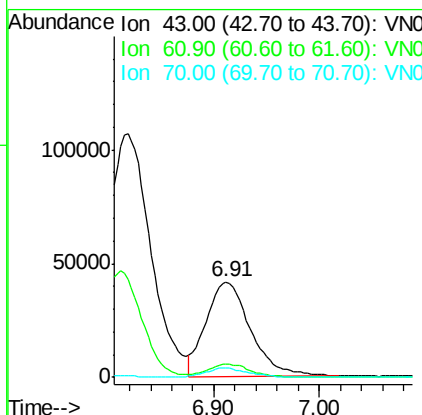
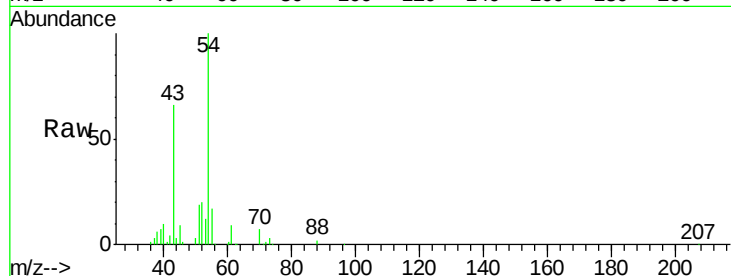




#37
Ethyl Acetate
Concen: 22.992 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

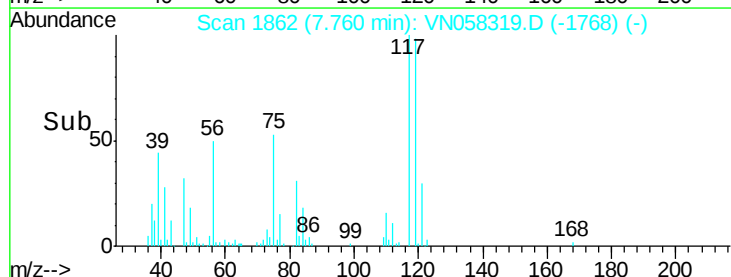
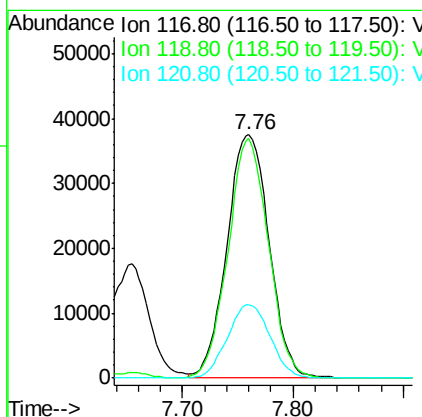
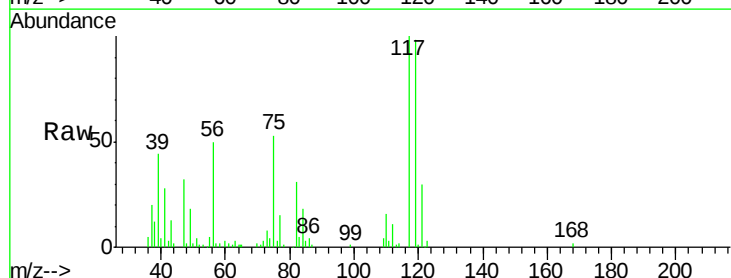
Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD02

Tot Ion: 43 Resp: 121473
Ion Ratio Lower Upper
43 100
61 12.6 10.7 16.1
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.467 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 117 Resp: 99624
Ion Ratio Lower Upper
117 100
119 98.3 78.6 117.8
121 30.2 24.1 36.1

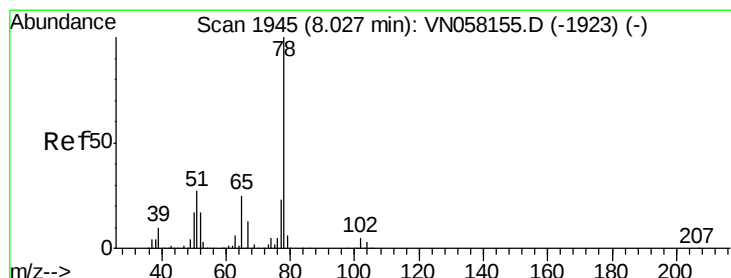
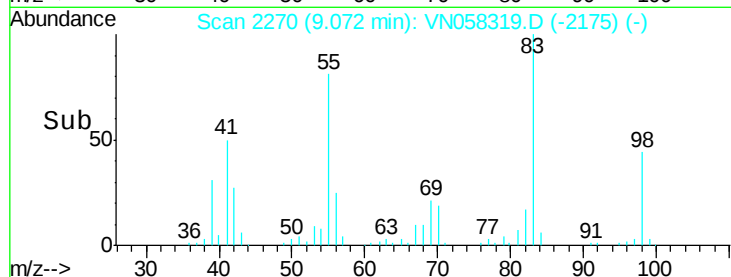
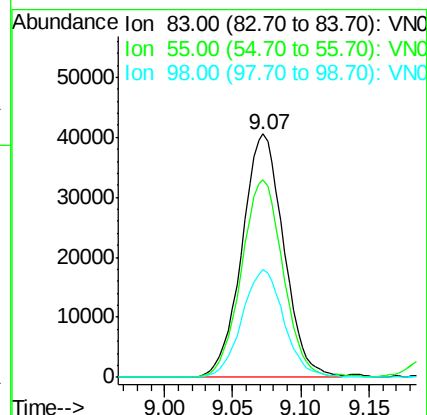
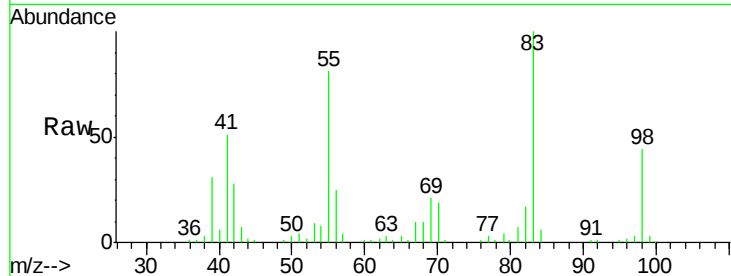




#39
Methvlcvclohexane
Concen: 17.564 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

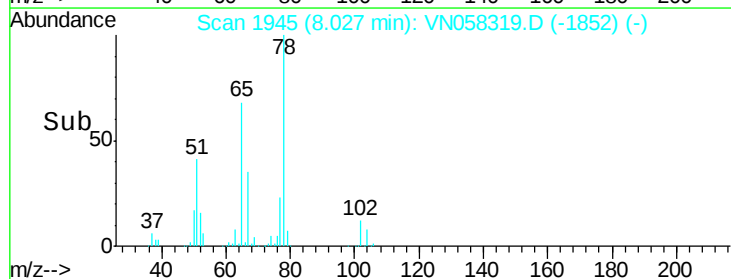
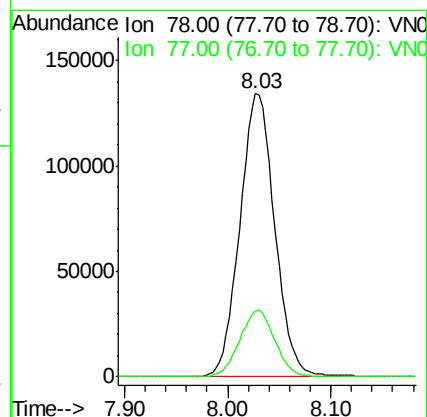
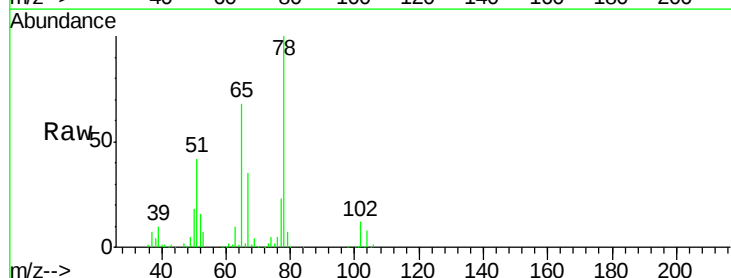
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

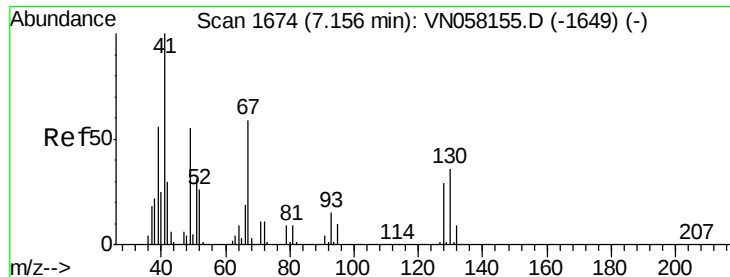
Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	61.9	92.9
98	44.1	35.4	53.2



#40
Benzene
Concen: 20.297 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2

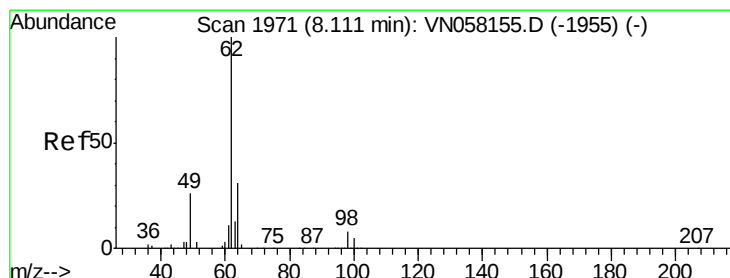
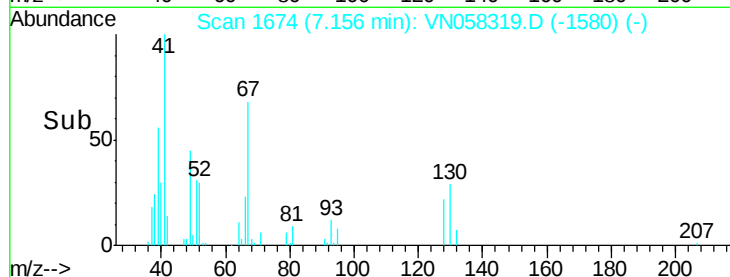
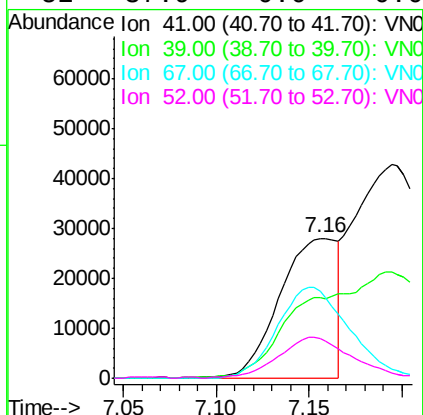
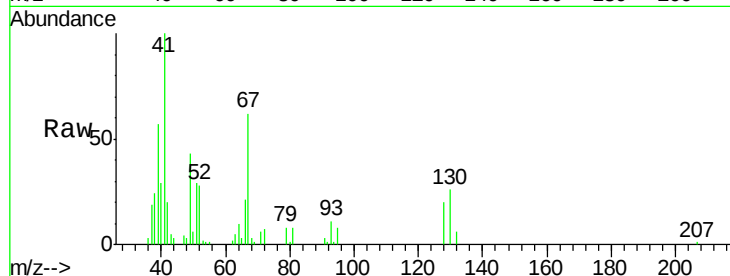




#41
Methacrylonitrile
Concen: 23.342 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

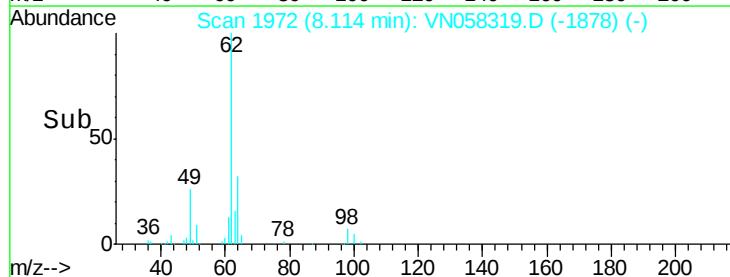
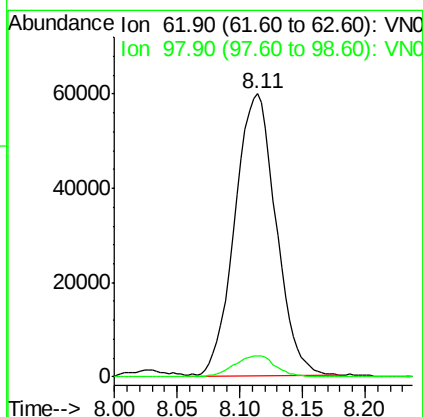
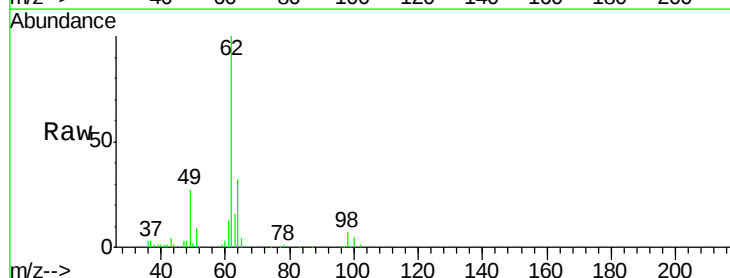
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

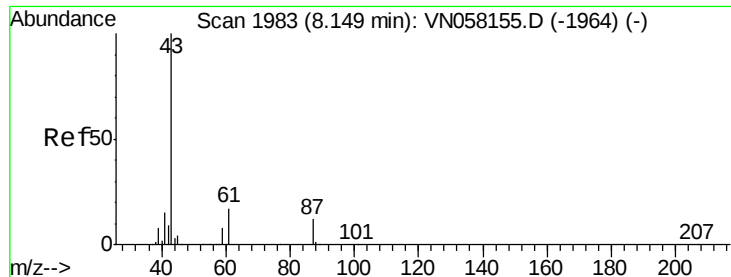
Tot Ion: 41 Resp: 60810
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 82.1 0.0 0.0#
52 37.9 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 20.958 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 62 Resp: 136749
Ion Ratio Lower Upper
62 100
98 7.4 0.0 15.6





#43

Isopropyl Acetate

Concen: 20.917 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

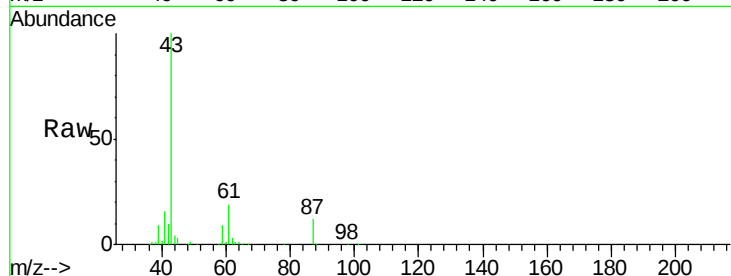
Tot Ion: 43 Resp: 206395

Ion Ratio Lower Upper

43 100

61 17.7 19.7 29.5#

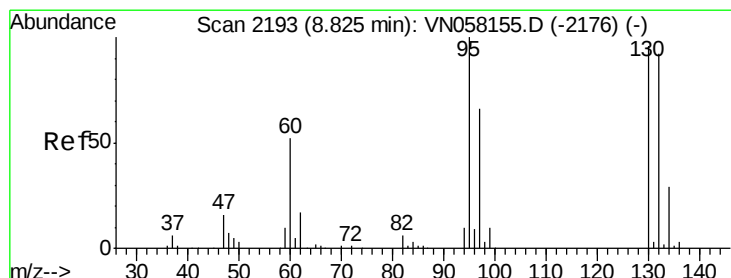
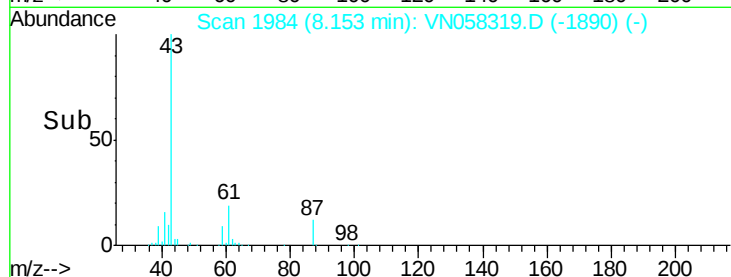
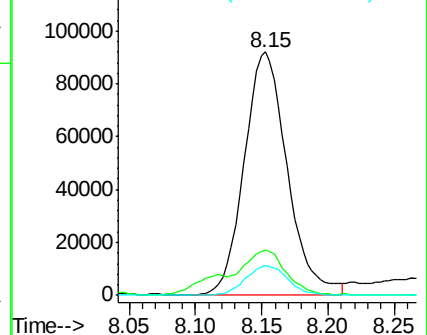
87 11.9 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058319.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058319.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058319.D (-1890) (-)



#44

Trichloroethene

Concen: 19.598 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058319.D

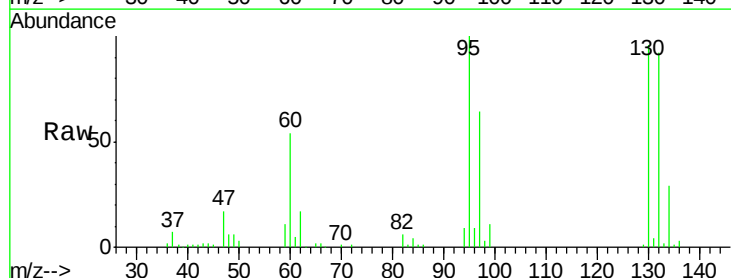
Acq: 24 Sep 2019 1:53

Tgt Ion: 130 Resp: 74574

Ion Ratio Lower Upper

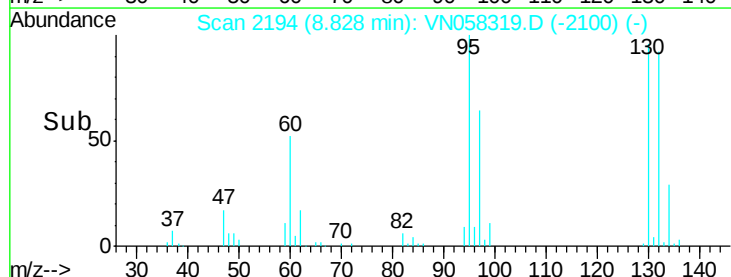
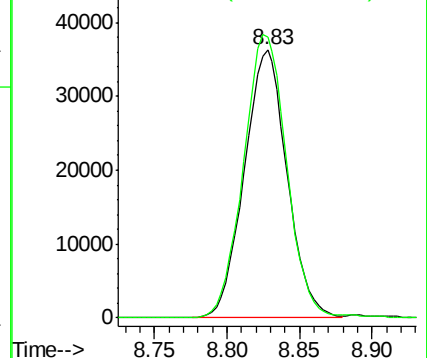
130 100

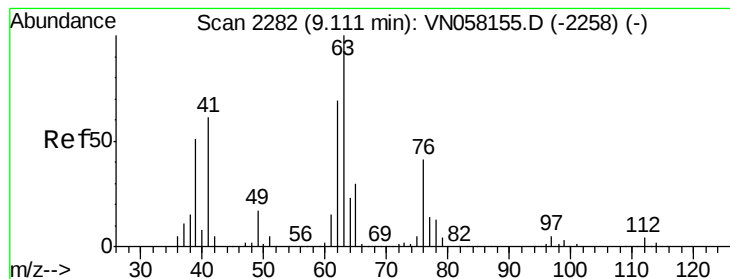
95 104.7 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058319.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058319.D (-2100) (-)





#45

1,2-Dichloropropane

Concen: 21.523 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

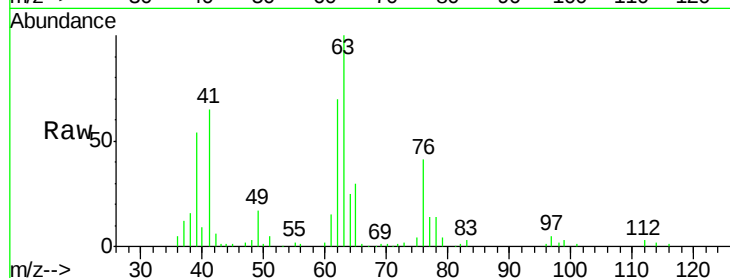
VN0923WBSD02

Tot Ion: 63 Resp: 99948

Ion Ratio Lower Upper

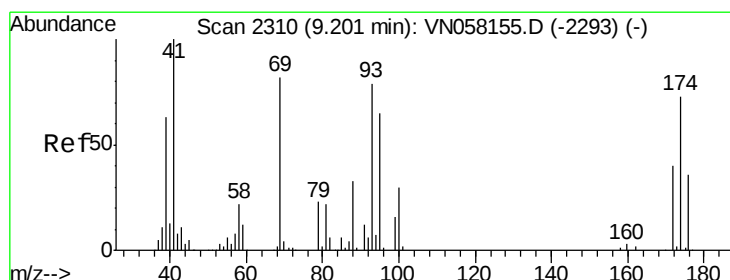
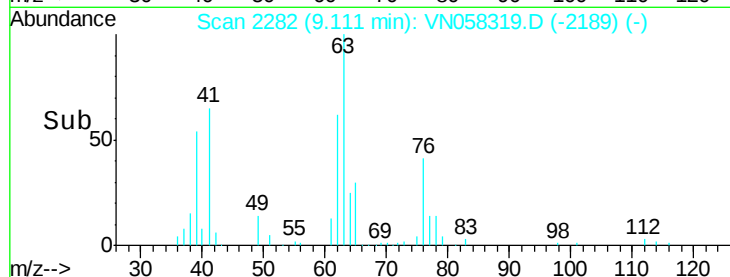
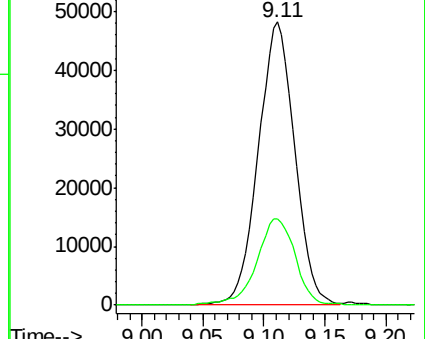
63 100

65 30.4 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.488 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

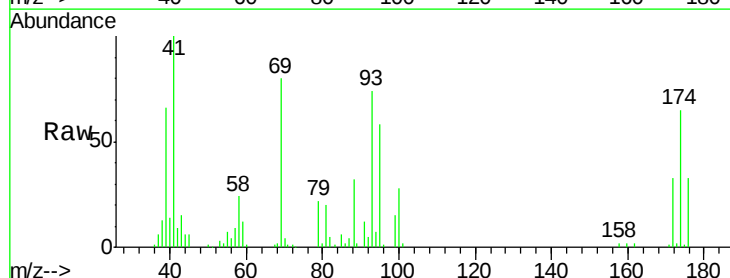
Tgt Ion: 93 Resp: 60668

Ion Ratio Lower Upper

93 100

95 80.0 66.8 100.2

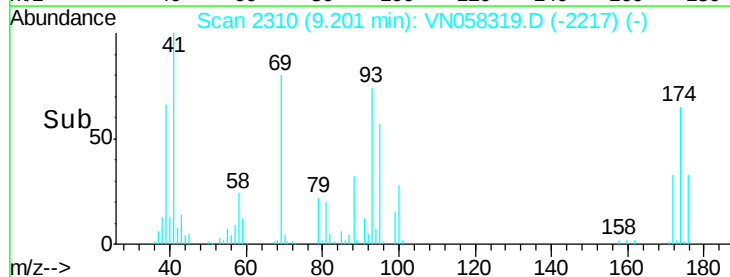
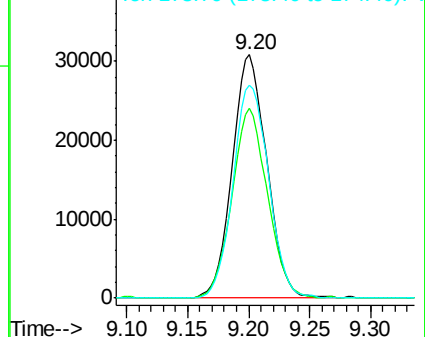
174 90.1 73.8 110.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.715 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

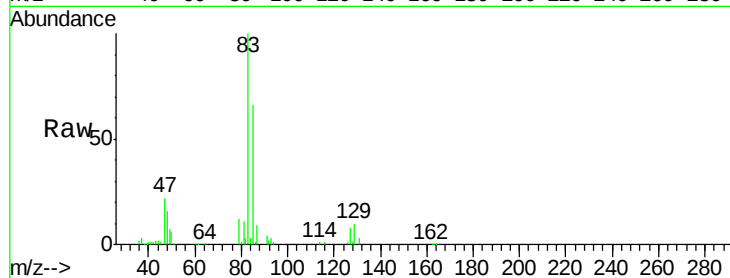
Tot Ion: 83 Resp: 128442

Ion Ratio Lower Upper

83 100

85 65.8 50.1 75.1

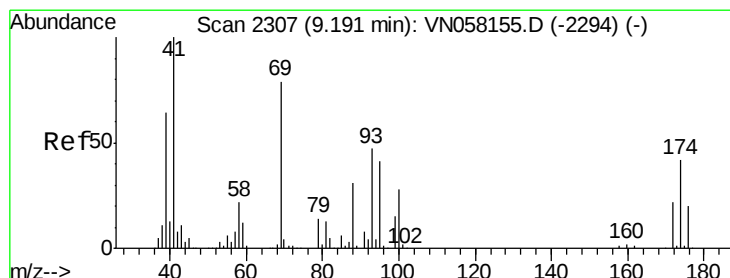
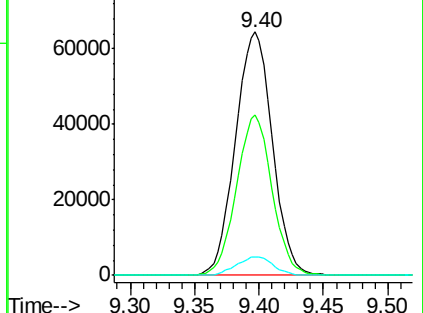
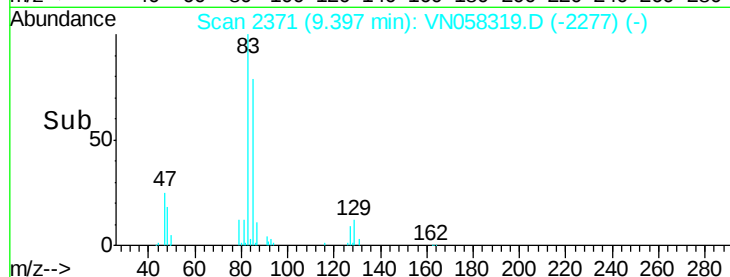
127 7.8 6.4 9.6



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): V



#48

Methyl methacrylate

Concen: 22.117 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

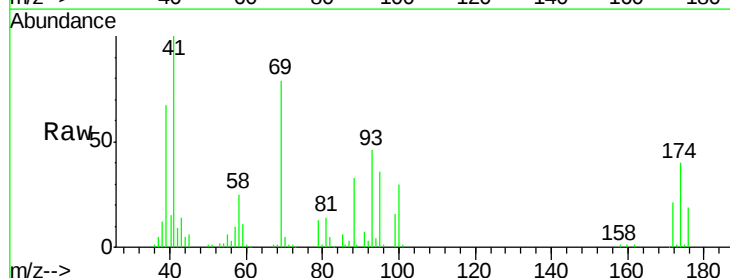
Tgt Ion: 41 Resp: 99086

Ion Ratio Lower Upper

41 100

69 79.9 62.5 93.7

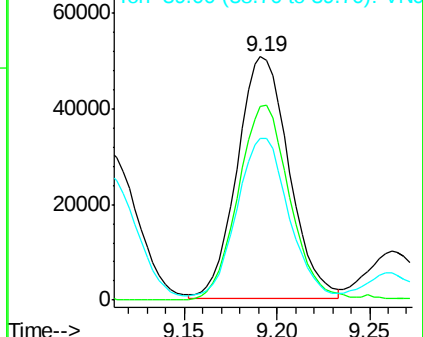
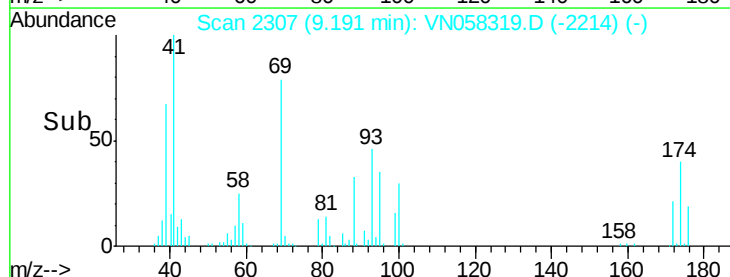
39 66.4 52.3 78.5

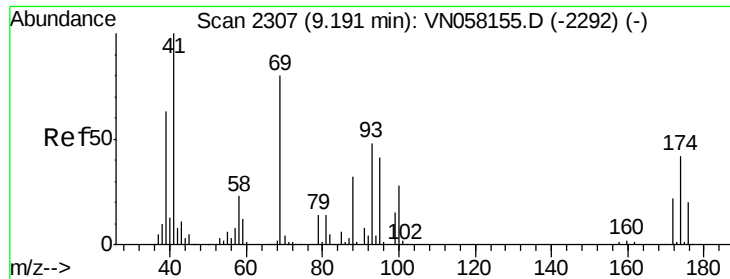


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

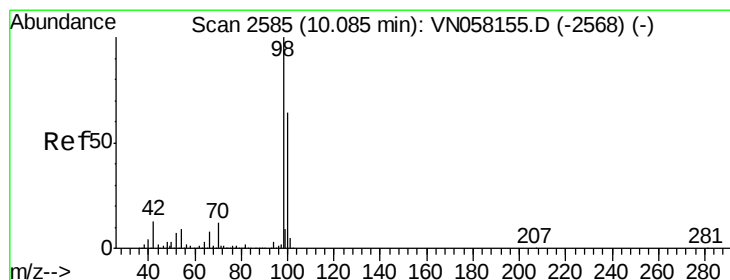
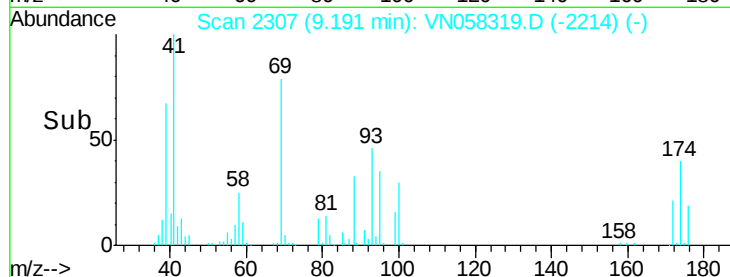
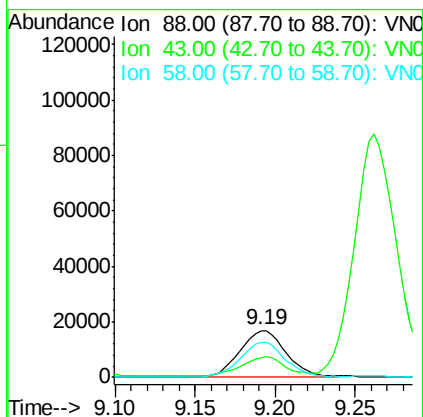
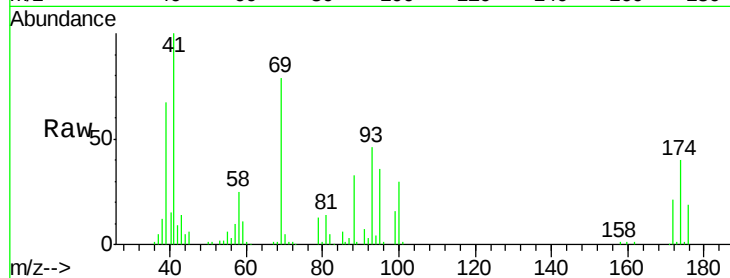


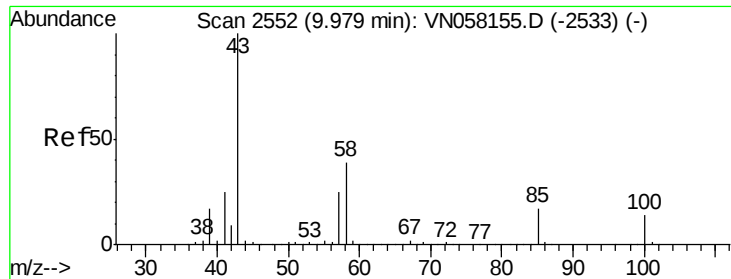


#49
1,4-Dioxane
Concen: 455.342 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion: 88 Resp: 33493
Ion Ratio Lower Upper
88 100
43 39.5 27.8 41.8
58 74.3 55.0 82.4





#51

4-Methyl-2-Pentanone

Concen: 128.880 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

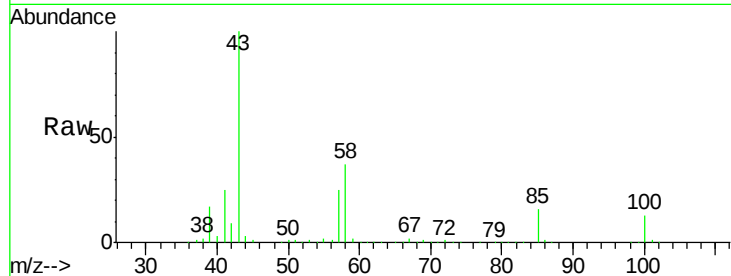
VN0923WBSD02

Tot Ion: 43 Resp: 675466

Ion Ratio Lower Upper

43 100

58 36.9 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

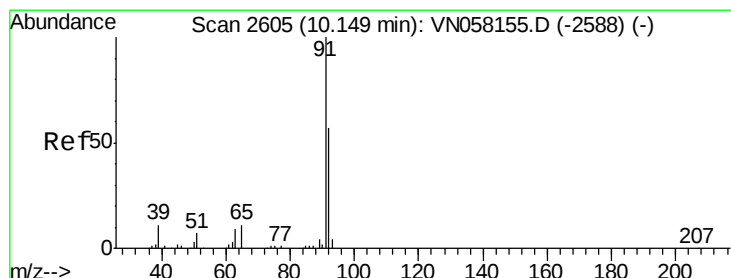
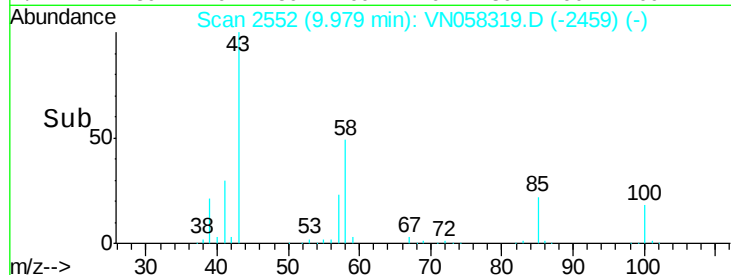
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.108 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058319.D

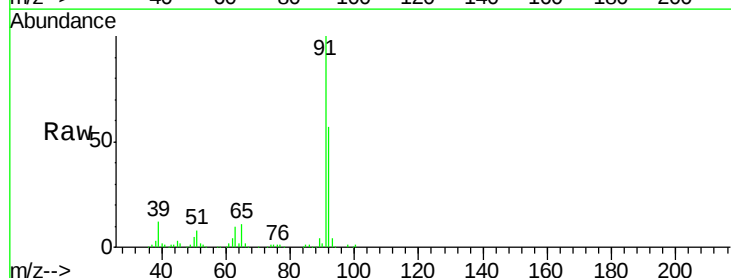
Acq: 24 Sep 2019 1:53

Tgt Ion: 92 Resp: 195954

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

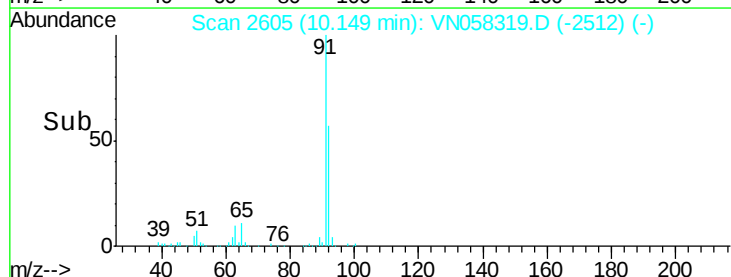
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.309 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

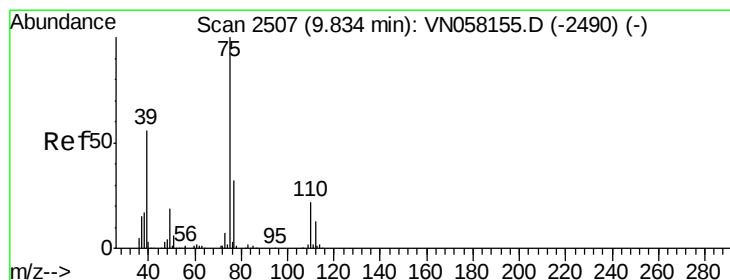
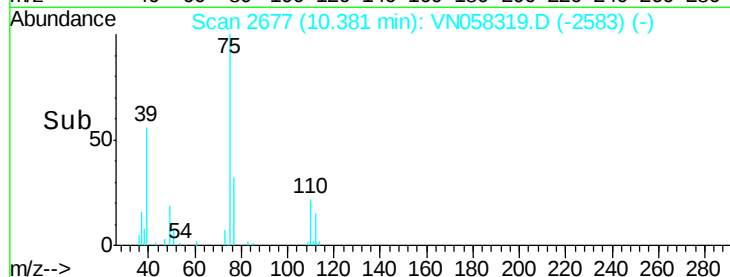
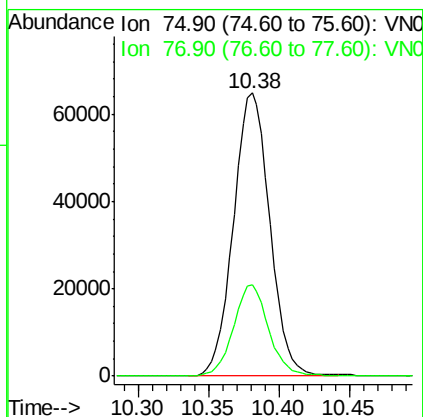
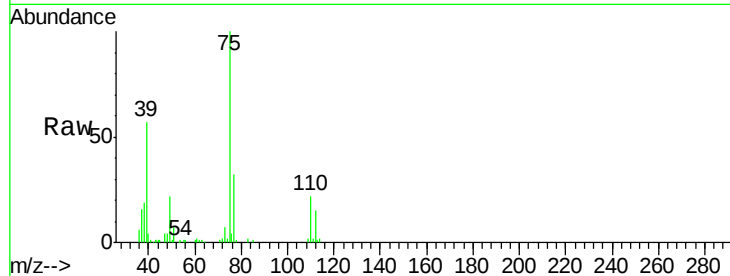
VN0923WBSD02

Tot Ion: 75 Resp: 116992

Ion Ratio Lower Upper

75 100

77 32.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.635 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

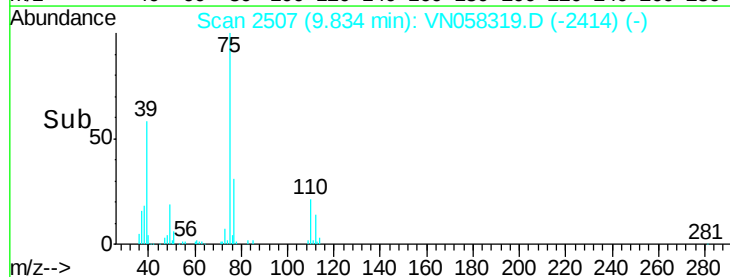
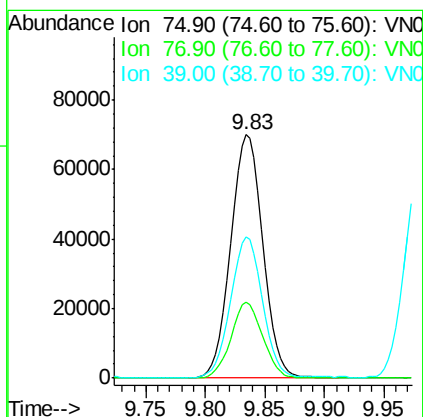
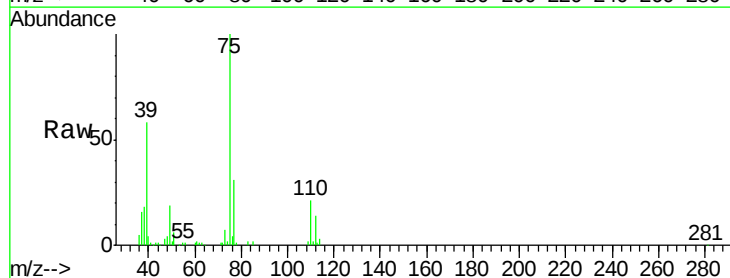
Tgt Ion: 75 Resp: 131348

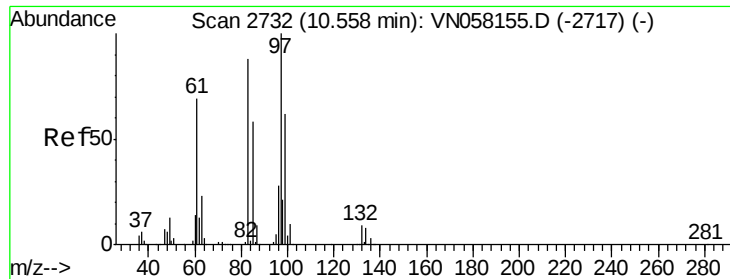
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 58.0 45.0 67.6

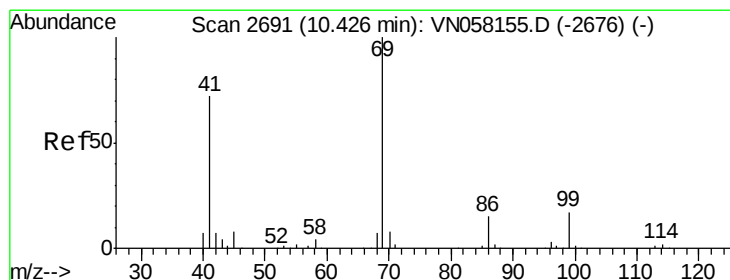
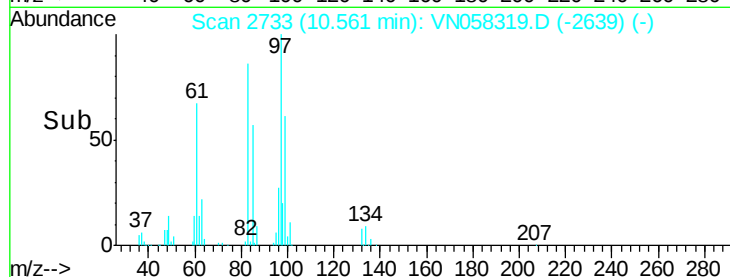
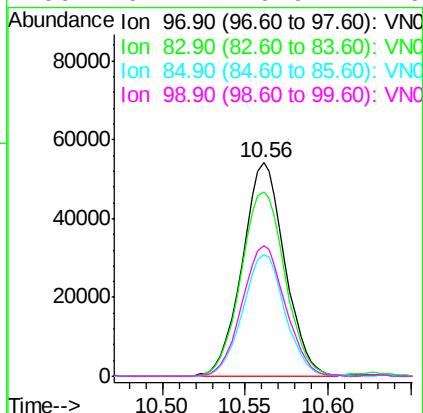
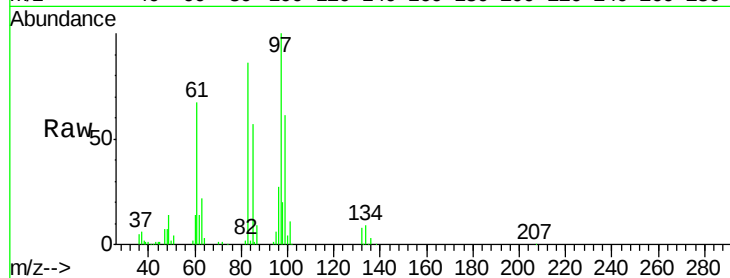




#55
 1,1,2-Trichloroethane
 Concen: 22.302 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

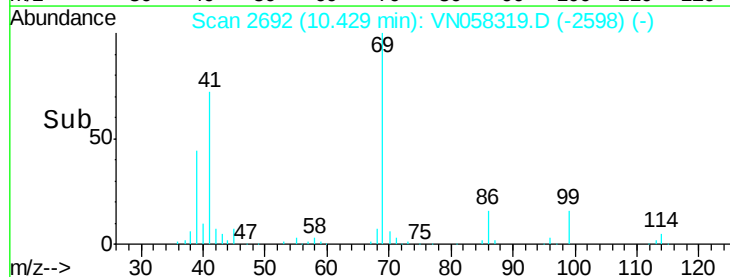
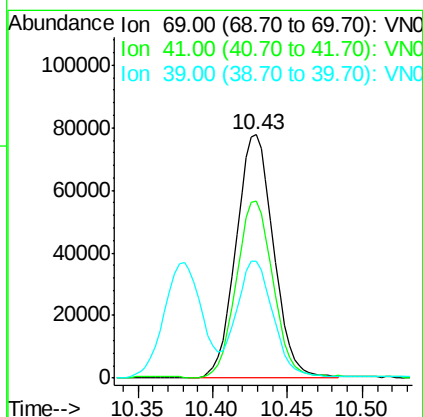
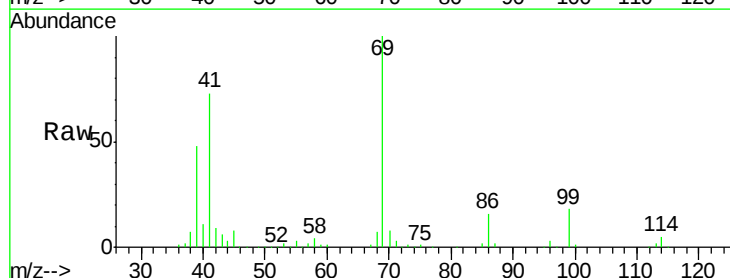
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion: 97 Resp: 96449
 Ion Ratio Lower Upper
 97 100
 83 86.2 70.4 105.6
 85 57.1 46.8 70.2
 99 61.2 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 21.776 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion: 69 Resp: 135878
 Ion Ratio Lower Upper
 69 100
 41 70.3 57.5 86.3
 39 47.2 36.1 54.1





#57

1,3-Dichloropropane

Concen: 22.047 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

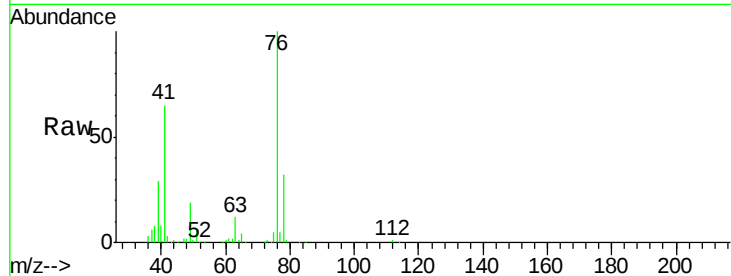
VN0923WBSD02

Tot Ion: 76 Resp: 163913

Ion Ratio Lower Upper

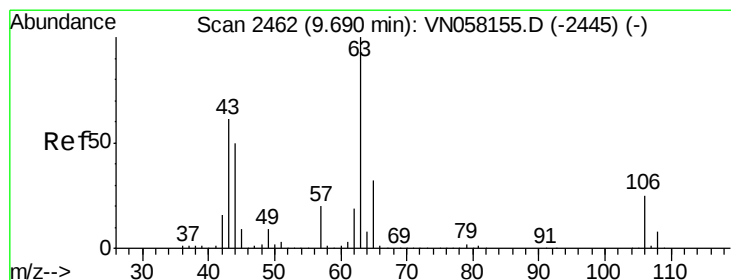
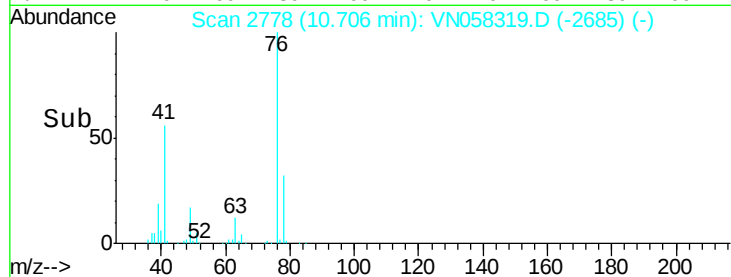
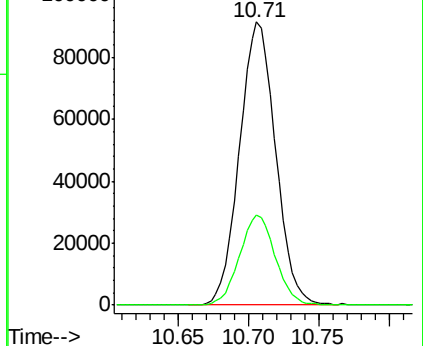
76 100

78 31.6 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 112.710 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058319.D

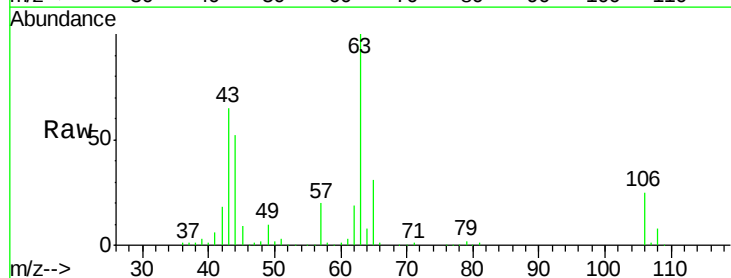
Acq: 24 Sep 2019 1:53

Tgt Ion: 63 Resp: 334992

Ion Ratio Lower Upper

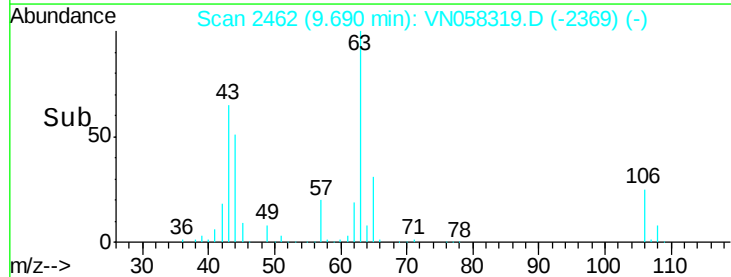
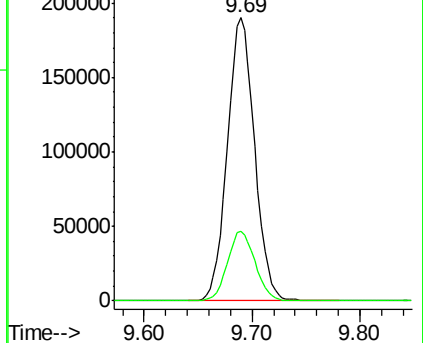
63 100

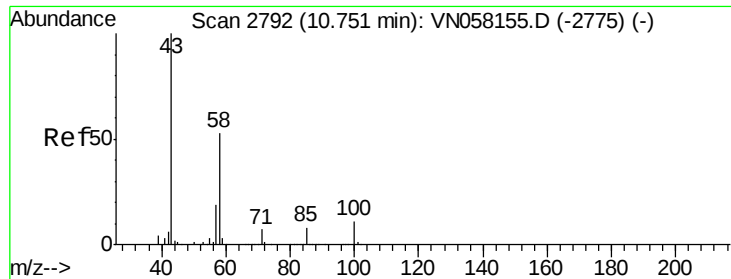
106 24.9 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

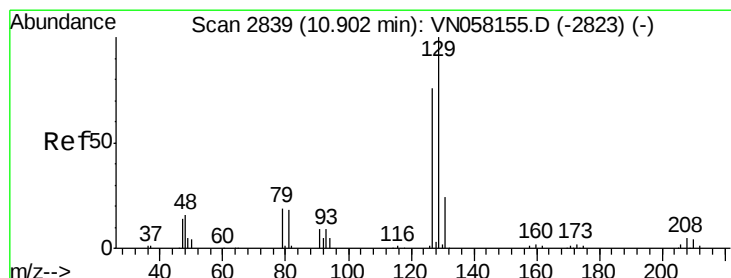
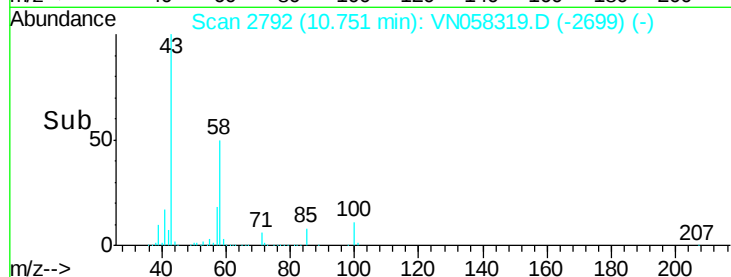
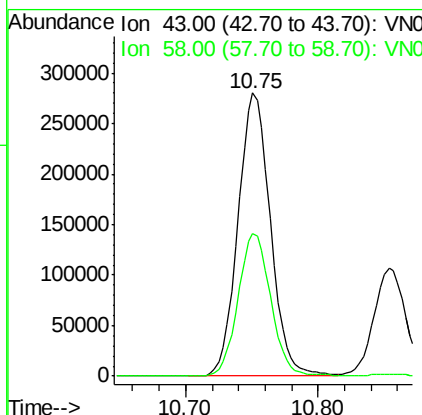
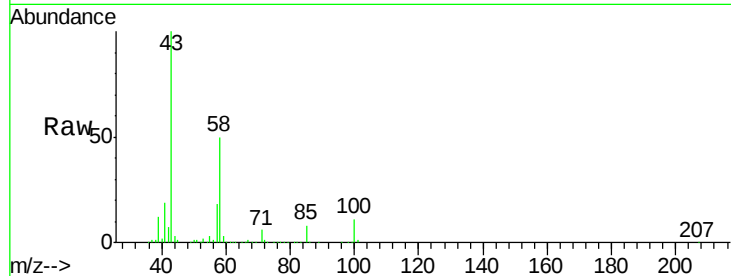




#59
2-Hexanone
Concen: 121.844 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

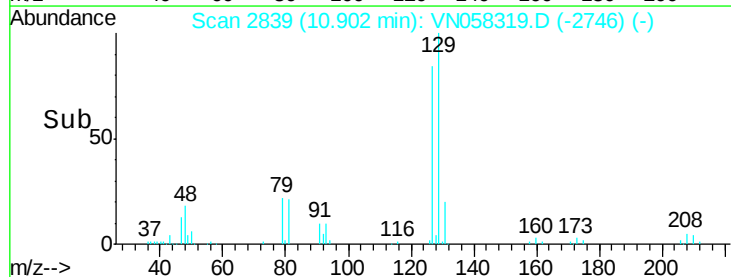
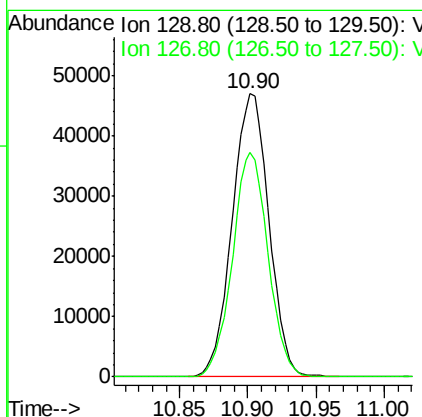
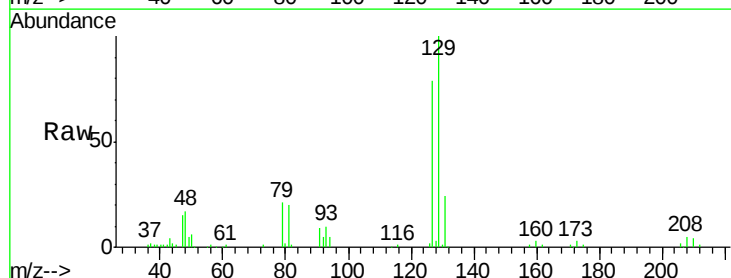
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

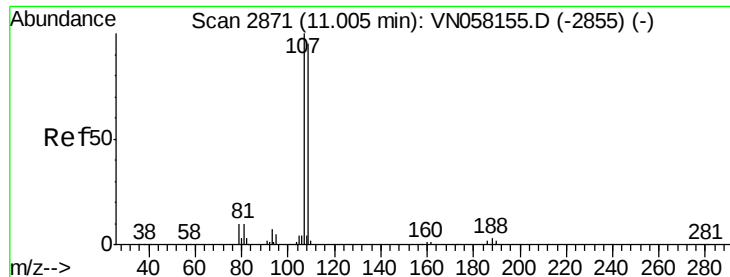
Tot Ion: 43 Resp: 474274
Ion Ratio Lower Upper
43 100
58 51.0 26.0 78.0



#60
Dibromochloromethane
Concen: 21.085 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 129 Resp: 87724
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1

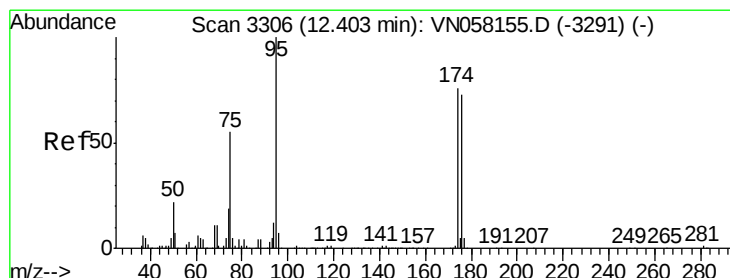
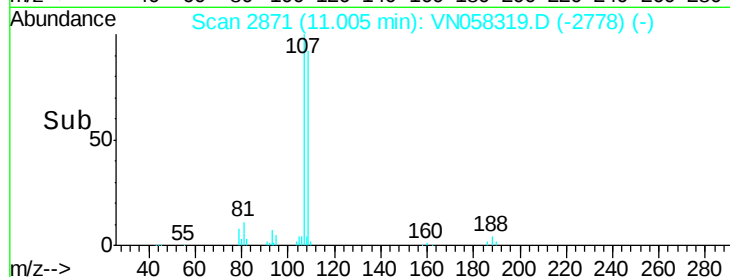
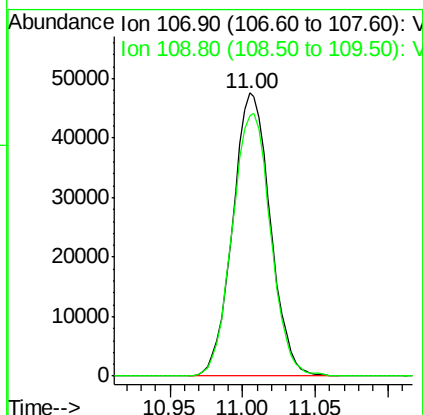
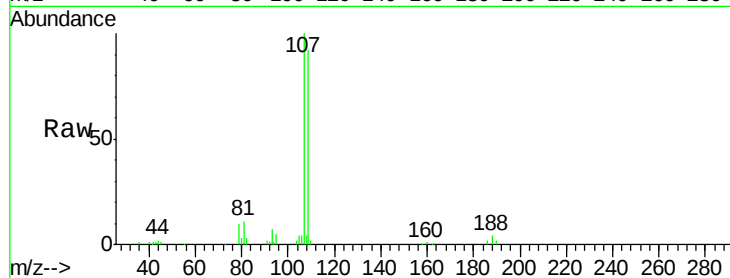




#61
 1,2-Dibromoethane
 Concen: 21.391 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

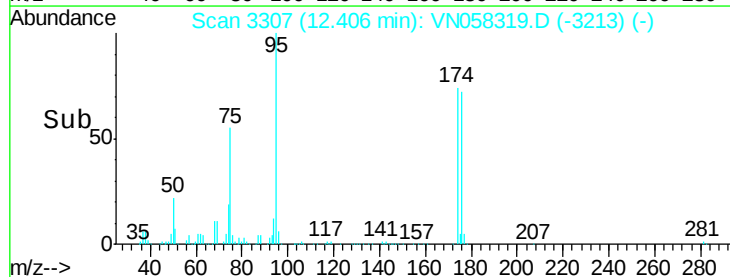
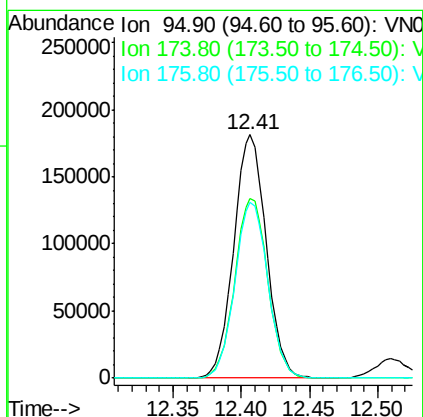
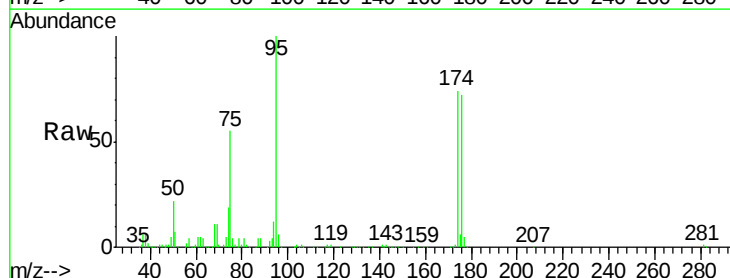
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

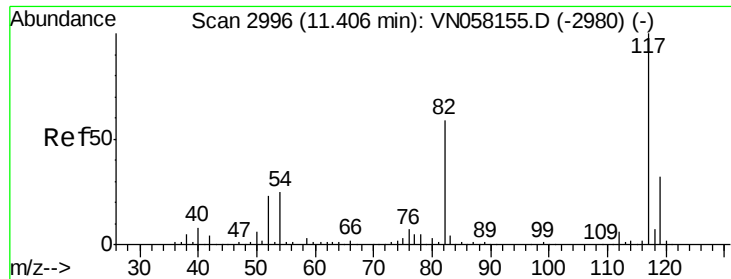
Tot Ion: 107 Resp: 85730
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.268 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion: 95 Resp: 299805
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 152.2
 176 73.3 0.0 148.0

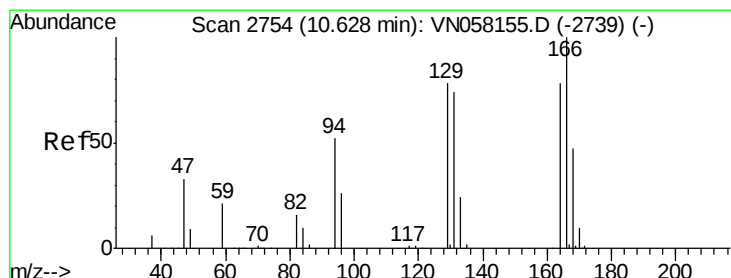
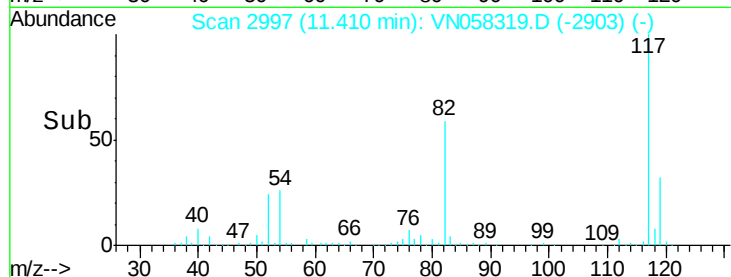
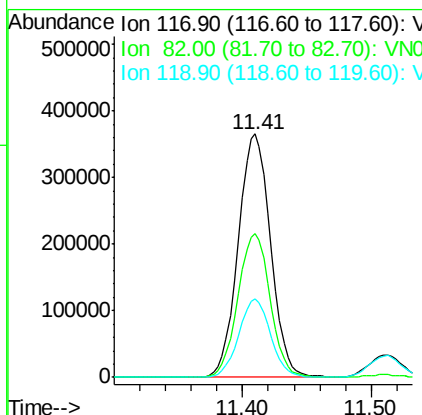
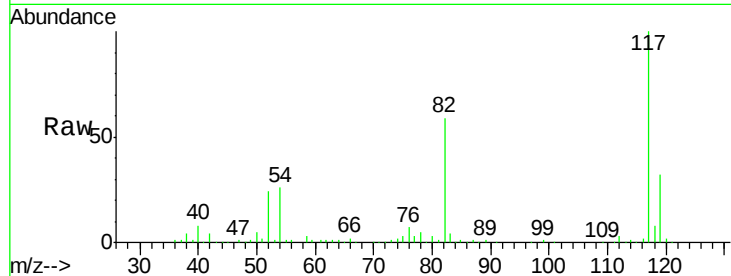




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

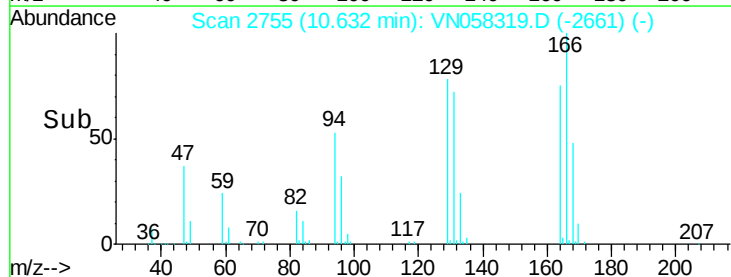
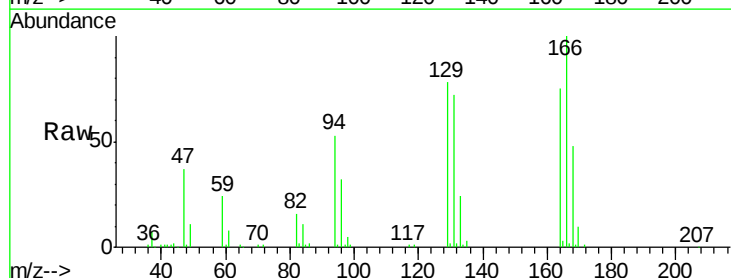
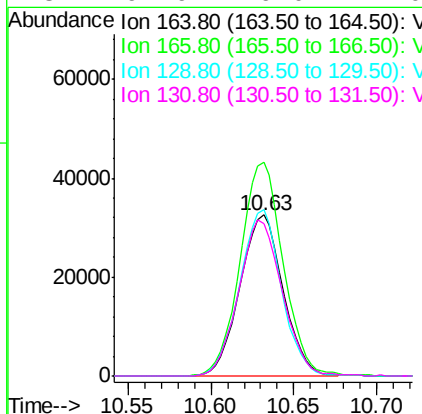
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

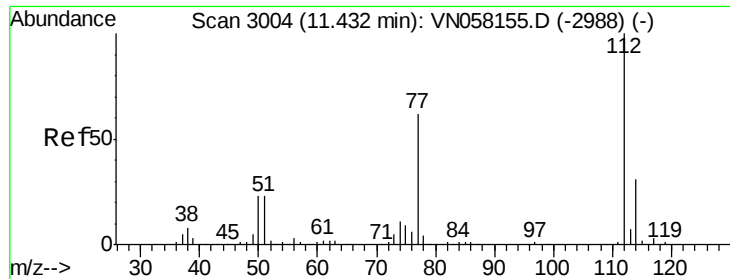
Tot Ion:117 Resp: 638926
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 32.2 25.3 37.9



#64
Tetrachloroethene
Concen: 18.874 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion:164 Resp: 58784
Ion Ratio Lower Upper
164 100
166 132.7 102.2 153.4
129 103.2 79.6 119.4
131 94.9 76.0 114.0

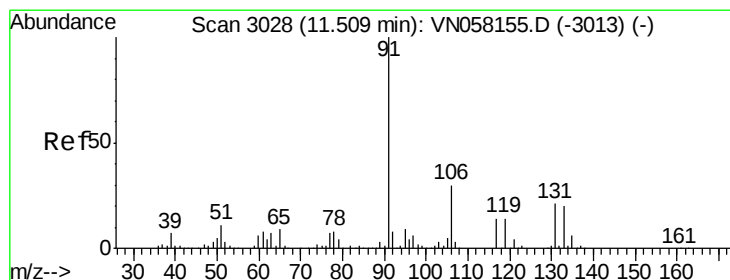
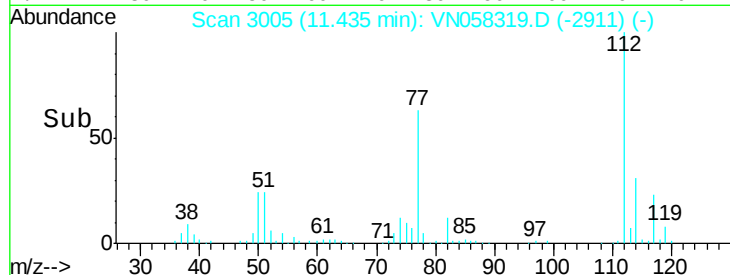
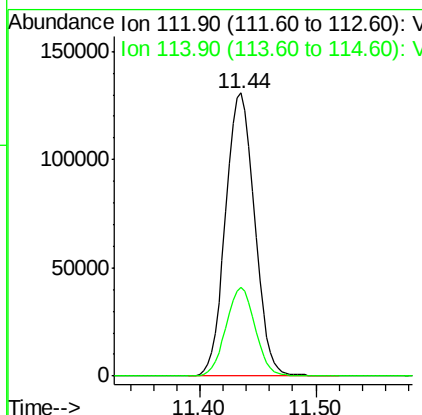
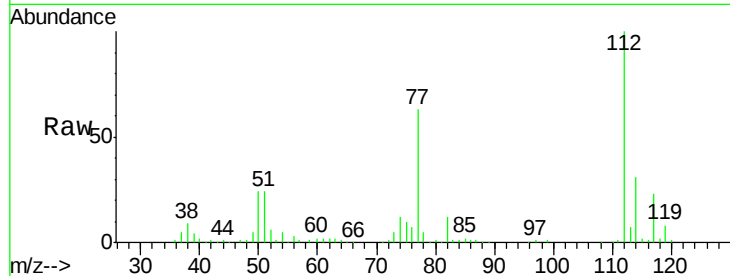




#65
Chlorobenzene
Concen: 20.227 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

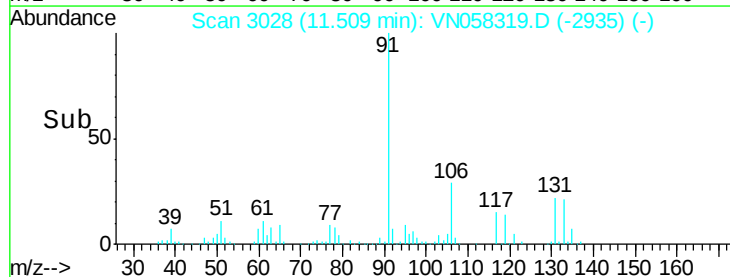
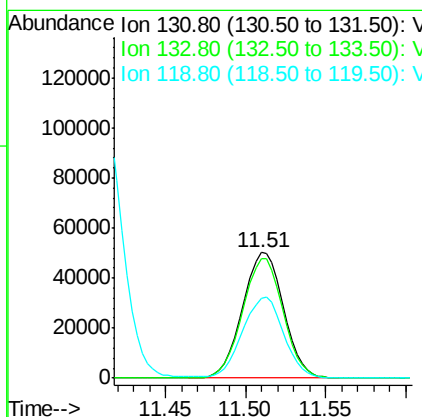
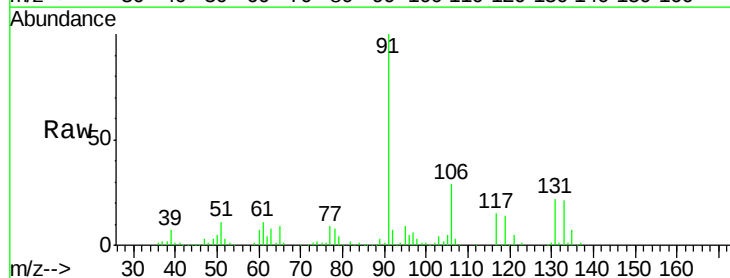
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

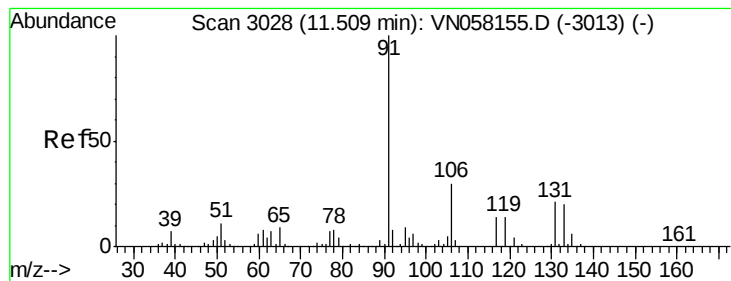
Tot Ion:112 Resp: 227320
Ion Ratio Lower Upper
112 100
114 31.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.615 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion:131 Resp: 88082
Ion Ratio Lower Upper
131 100
133 94.0 47.8 143.3
119 65.1 33.1 99.3





#67

Ethyl Benzene

Concen: 20.844 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleID :

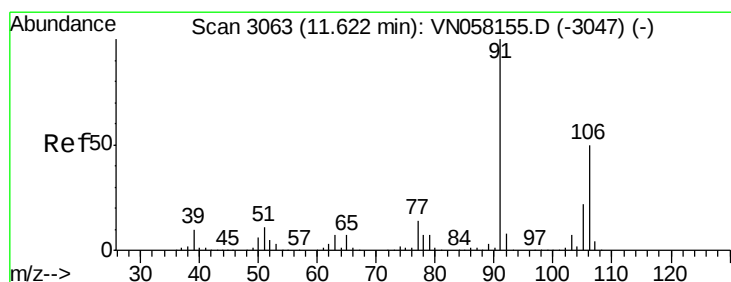
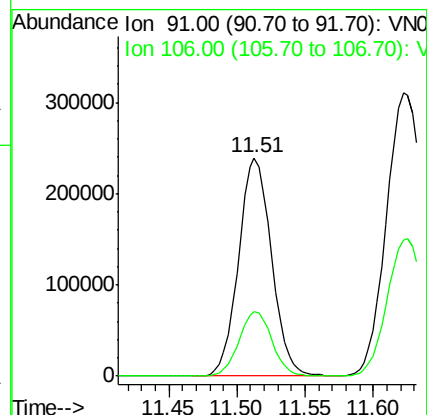
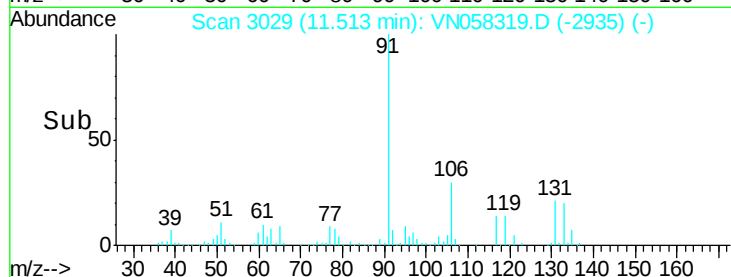
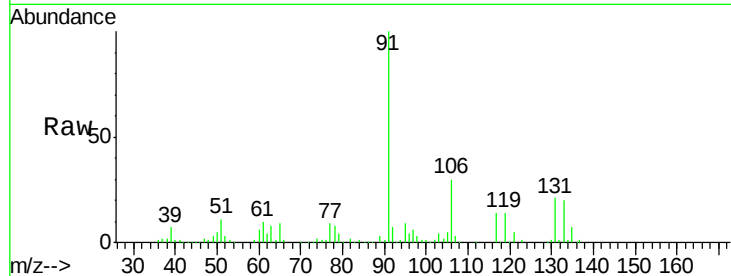
VN0923WBSD02

Tot Ion: 91 Resp: 401385

Ion Ratio Lower Upper

91 100

106 29.8 24.0 36.0



#68

m/p-Xylenes

Concen: 39.968 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058319.D

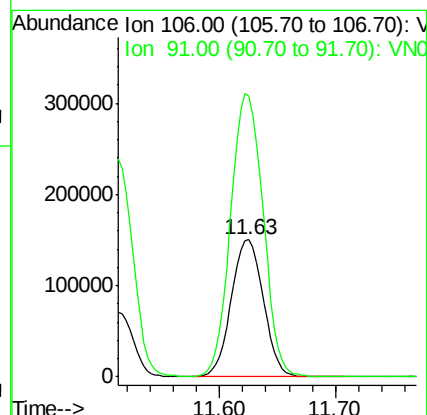
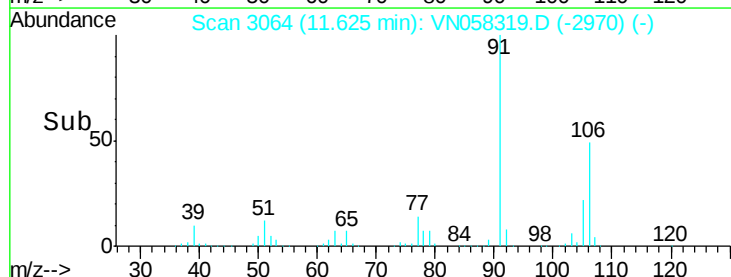
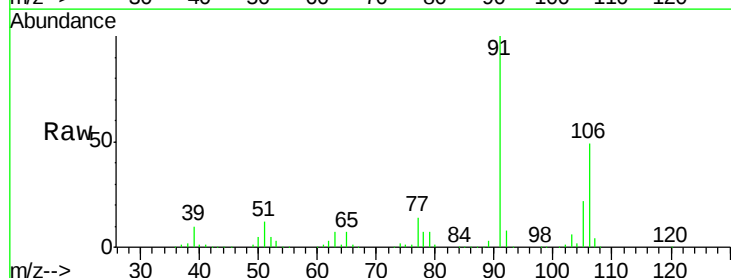
Acq: 24 Sep 2019 1:53

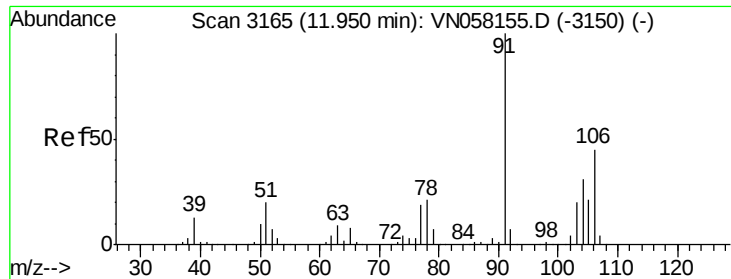
Tgt Ion: 106 Resp: 289872

Ion Ratio Lower Upper

106 100

91 208.5 163.6 245.4

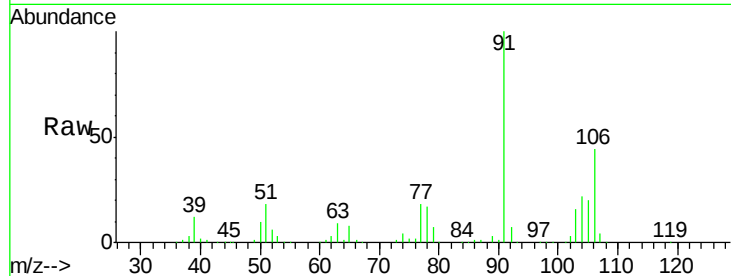




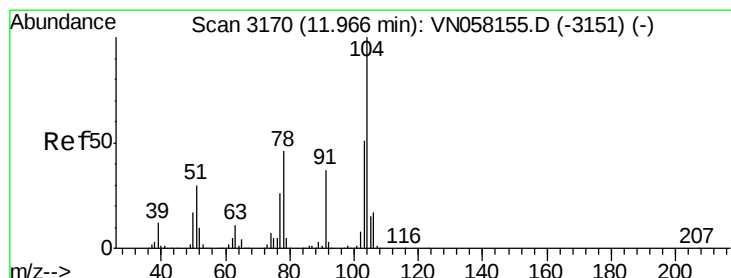
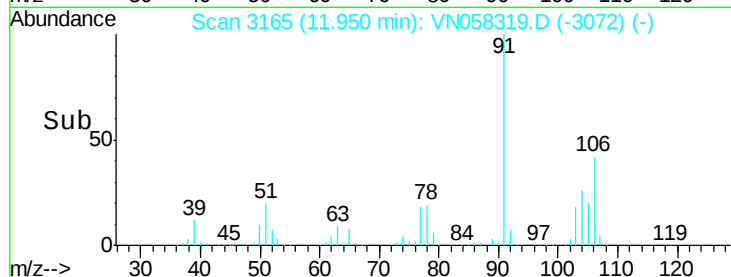
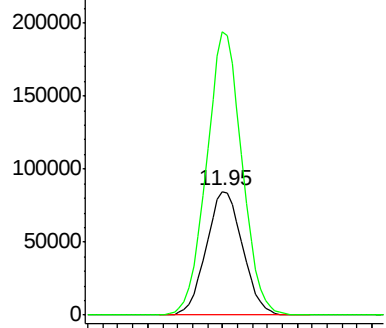
#69
o-Xylene
Concen: 20.117 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD02

Tot Ion:106 Resp: 143461
Ion Ratio Lower Upper
106 100
91 222.6 111.8 335.3

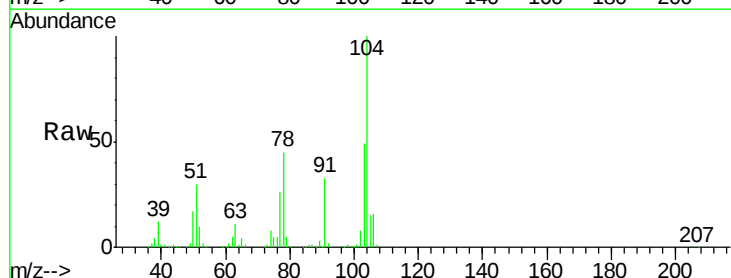


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

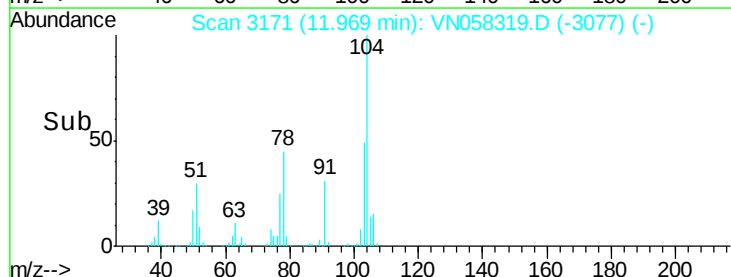
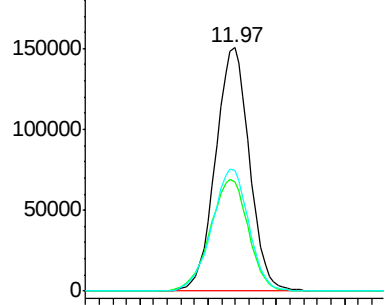


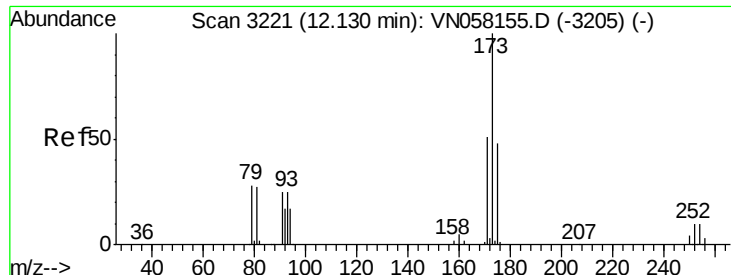
#70
Styrene
Concen: 21.100 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion:104 Resp: 259261
Ion Ratio Lower Upper
104 100
78 51.7 41.8 62.8
103 54.7 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

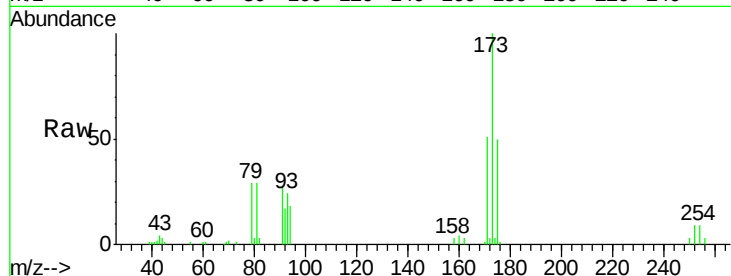




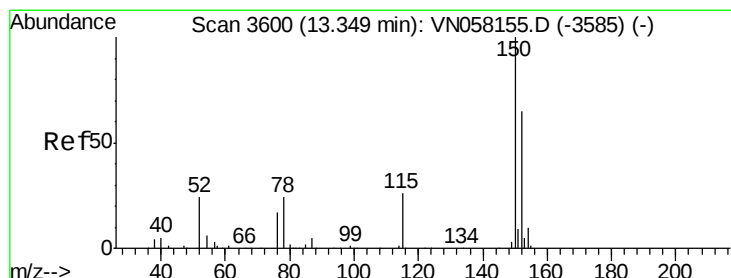
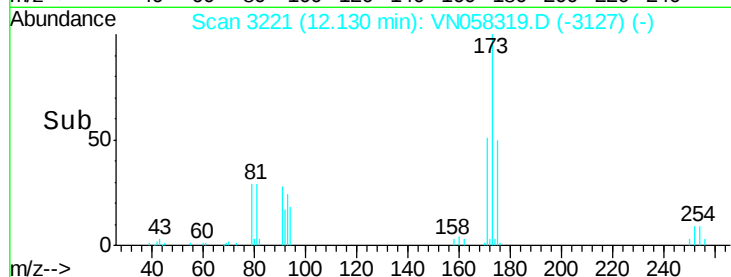
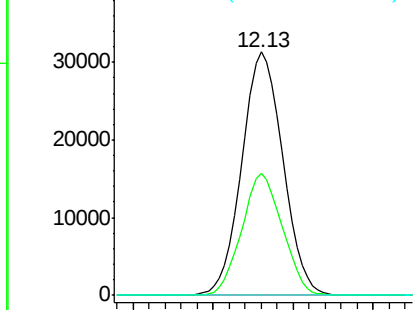
#71
Bromoform
Concen: 20.437 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD02

Tot Ion:173 Resp: 54826
Ion Ratio Lower Upper
173 100
175 49.4 24.2 72.6
254 0.0 0.1 0.1#

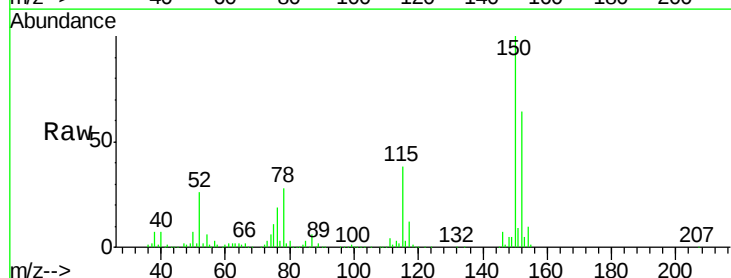


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

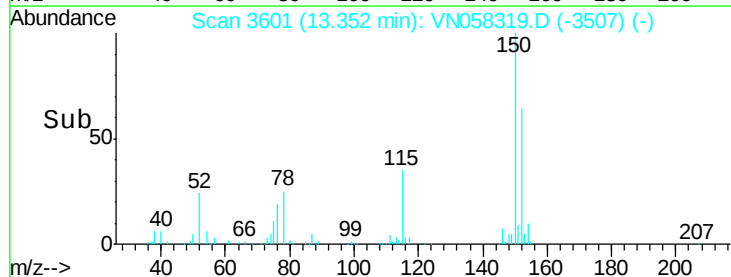
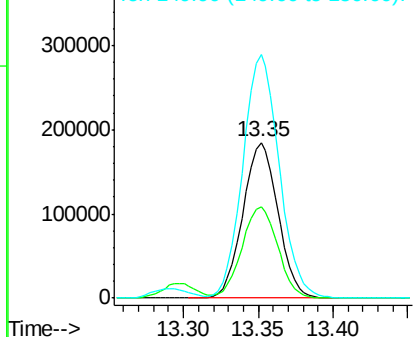


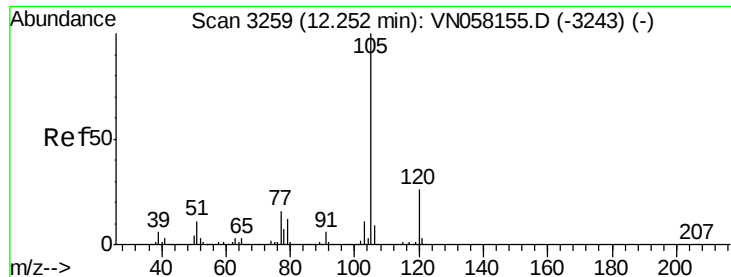
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion:152 Resp: 300674
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 162.8 0.0 346.4



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: 21.546 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

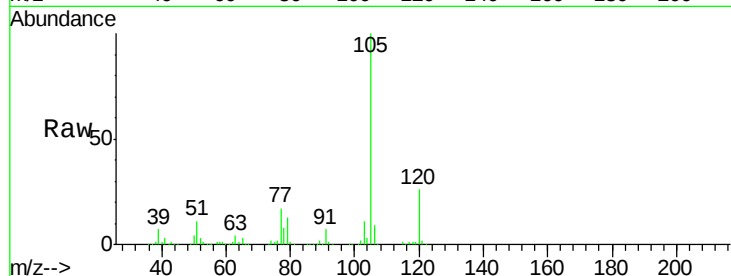
VN0923WBSD02

Tot Ion:105 Resp: 405493

Ion Ratio Lower Upper

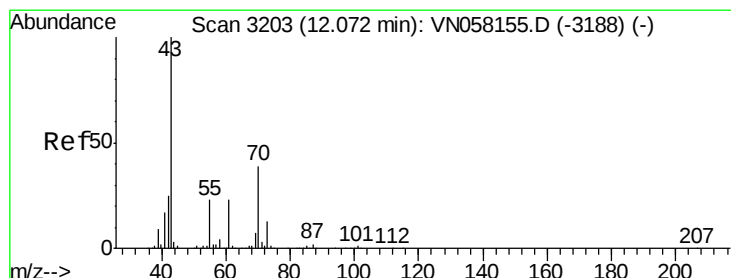
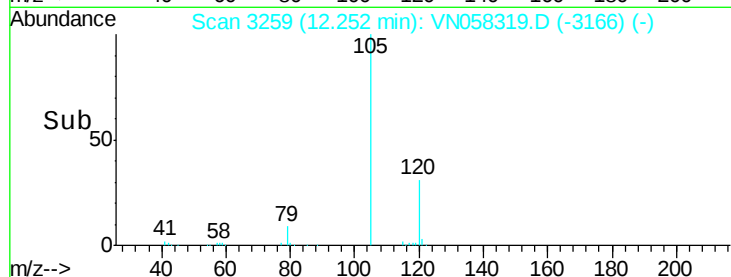
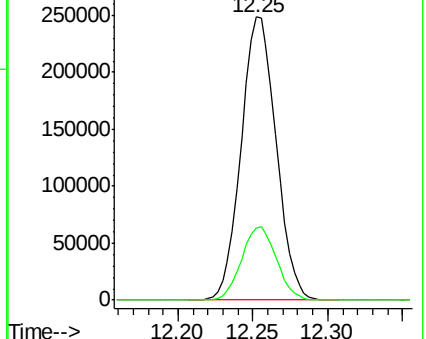
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.214 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tgt Ion: 43 Resp: 182767

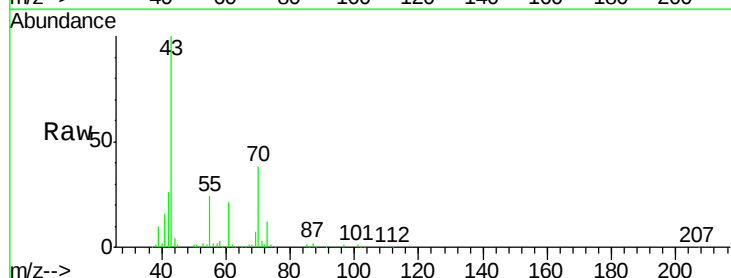
Ion Ratio Lower Upper

43 100

70 39.5 31.0 46.6

55 24.6 18.5 27.7

61 21.5 18.2 27.2

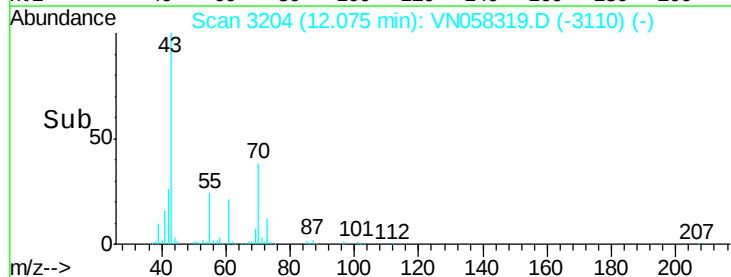
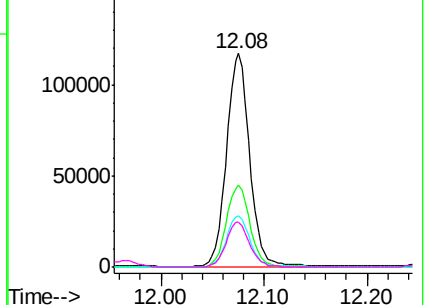


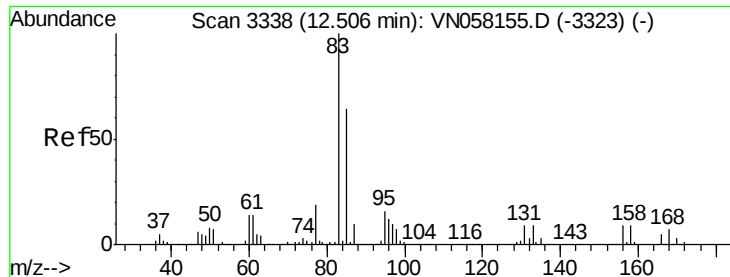
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 24.015 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

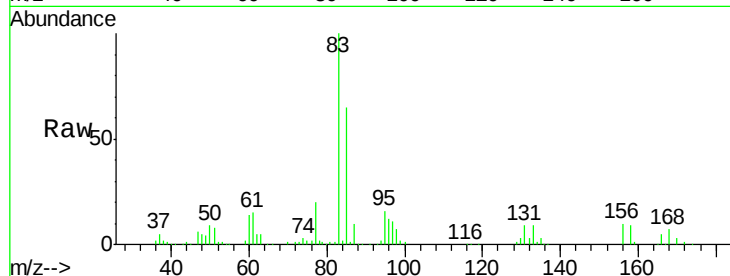
Tot Ion: 83 Resp: 151355

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

85 64.6 31.9 95.5



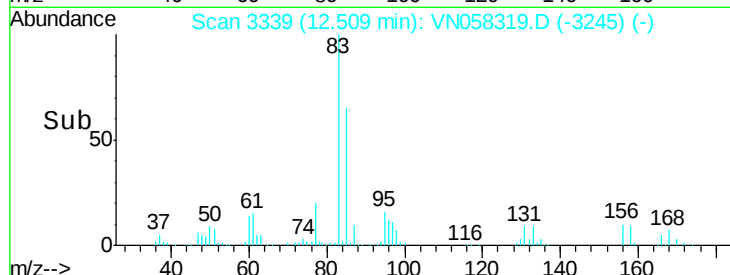
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

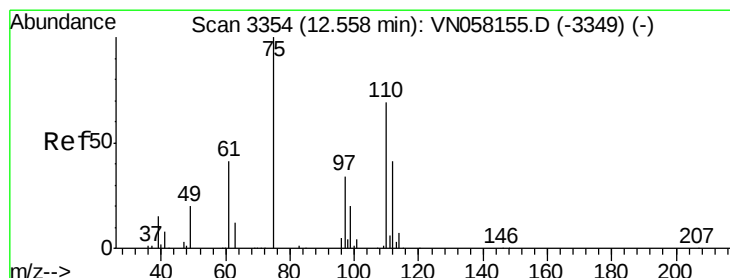
Ion 84.90 (84.60 to 85.60): VN0

12.51

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 31.646 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058319.D

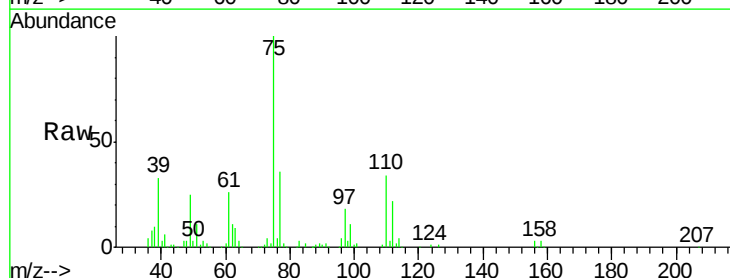
Acq: 24 Sep 2019 1:53

Tgt Ion: 75 Resp: 170292

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

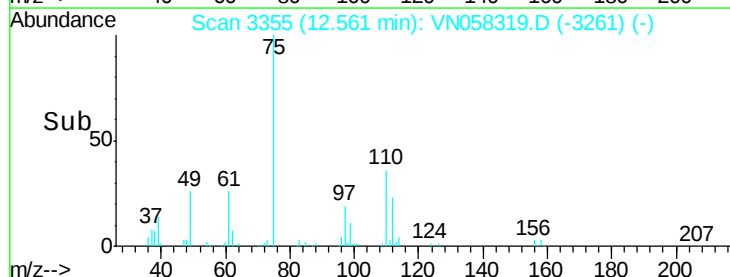


Abundance Ion 74.90 (74.60 to 75.60): VN0

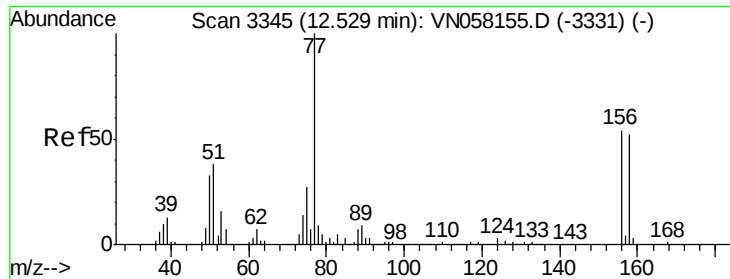
Ion 77.00 (76.70 to 77.70): VN0

12.56

Time-->



Time-->



#77

Bromobenzene

Concen: 20.800 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

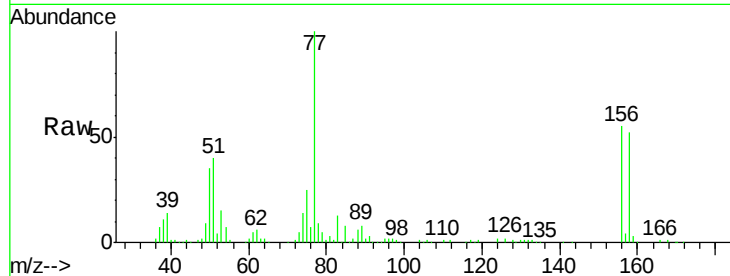
Tot Ion:156 Resp: 98469

Ion Ratio Lower Upper

156 100

77 227.7 111.7 335.1

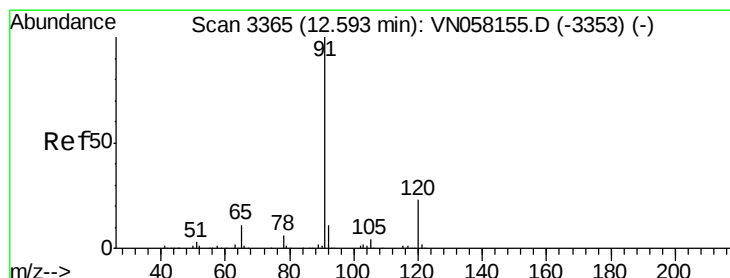
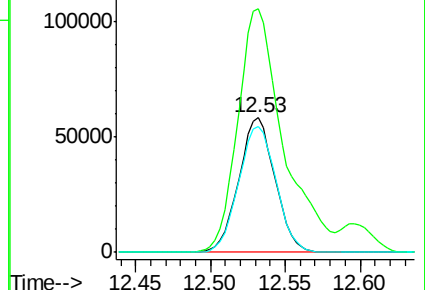
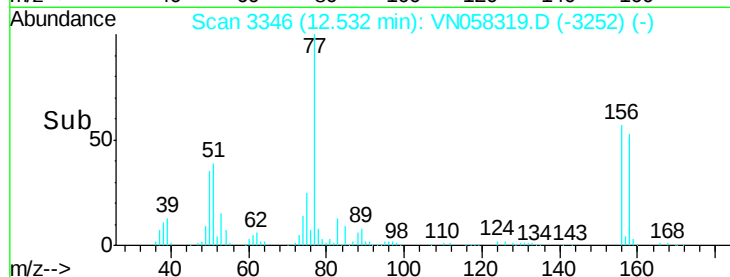
158 96.9 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.907 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058319.D

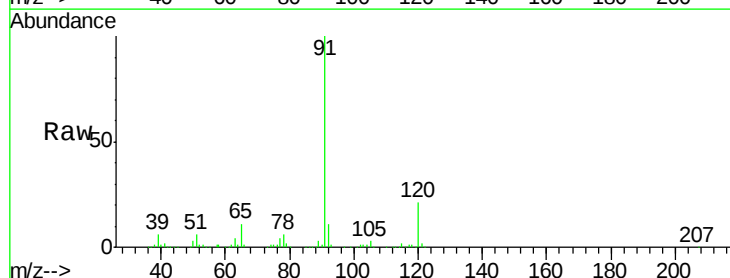
Acq: 24 Sep 2019 1:53

Tgt Ion: 91 Resp: 468517

Ion Ratio Lower Upper

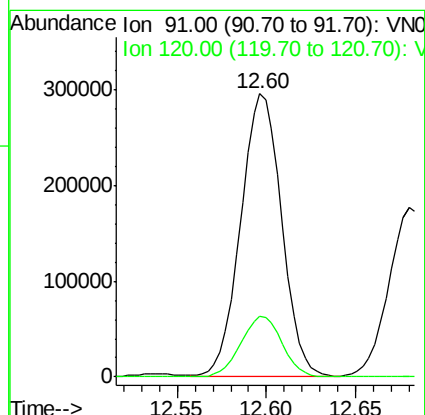
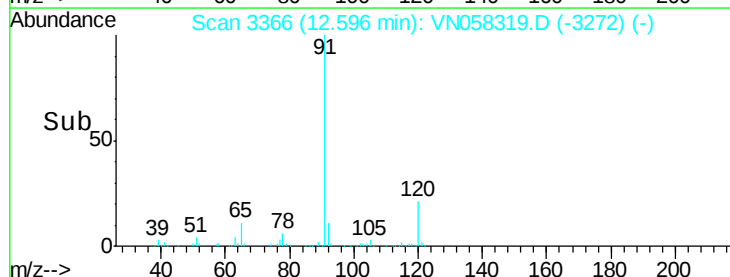
91 100

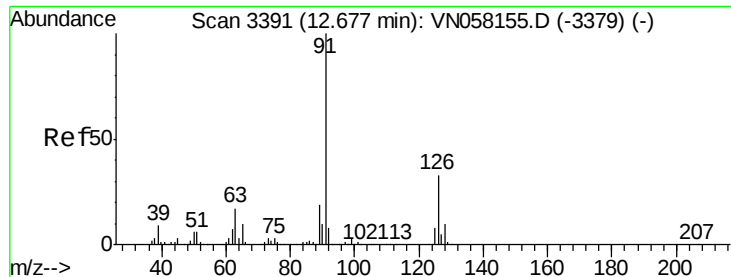
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.513 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

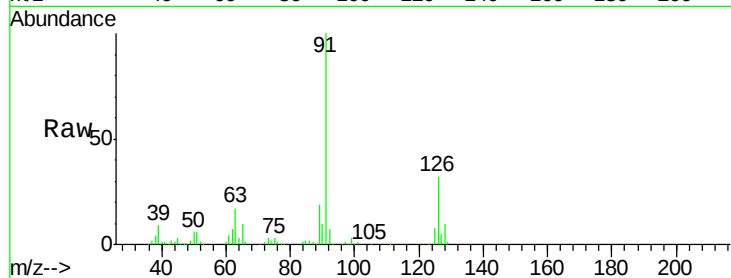
VN0923WBSD02

Tot Ion: 91 Resp: 287538

Ion Ratio Lower Upper

91 100

126 33.1 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058319.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058319.D (-3392) (-)

250000

200000

150000

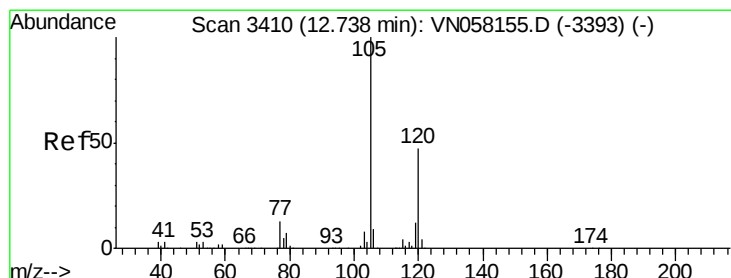
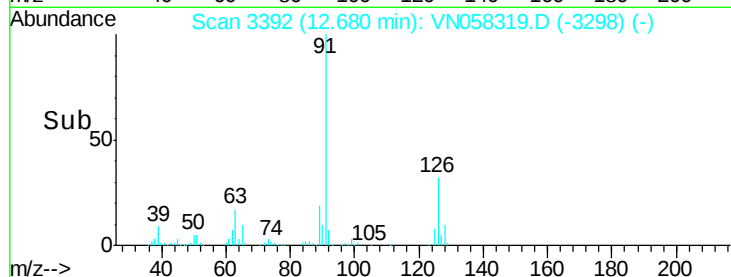
100000

50000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.872 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058319.D

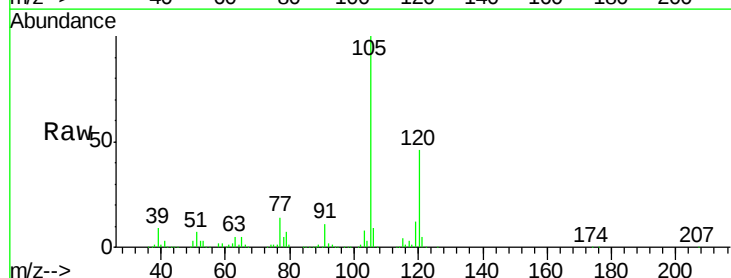
Acq: 24 Sep 2019 1:53

Tgt Ion: 105 Resp: 348088

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058319.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058319.D (-3410) (-)

250000

200000

150000

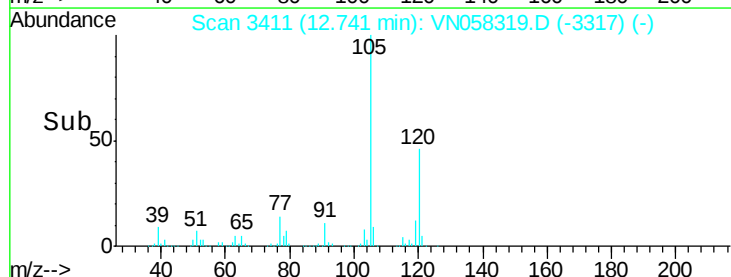
100000

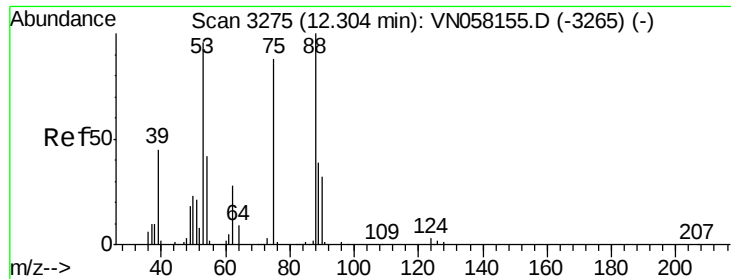
50000

0

12.70 12.74 12.78

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.069 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

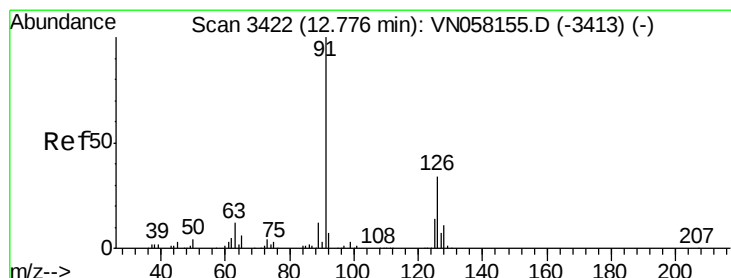
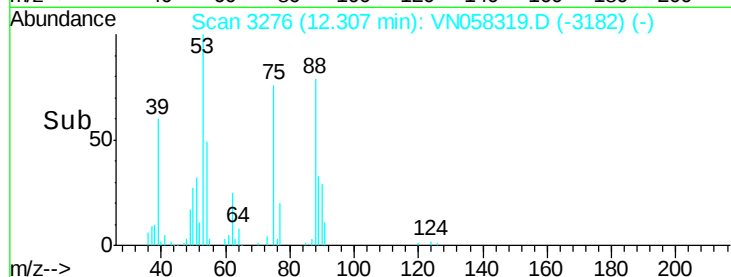
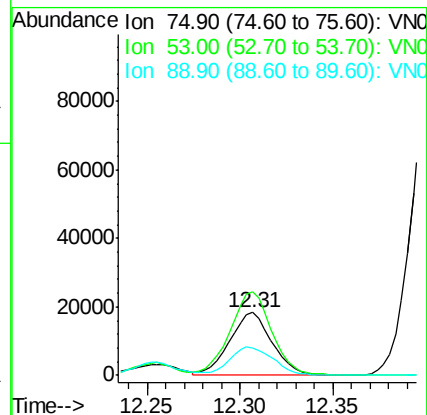
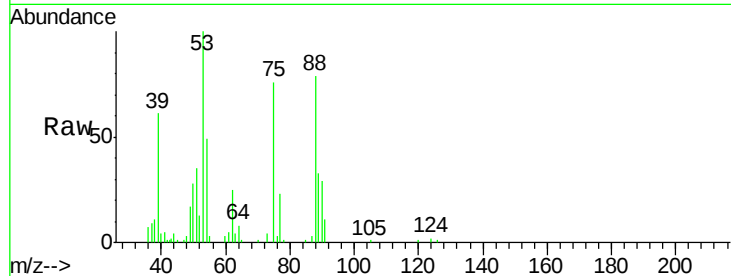
Tot Ion: 75 Resp: 29213

Ion Ratio Lower Upper

75 100

53 130.8 90.1 135.1

89 46.4 36.2 54.2



#82

4-Chlorotoluene

Concen: 21.340 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058319.D

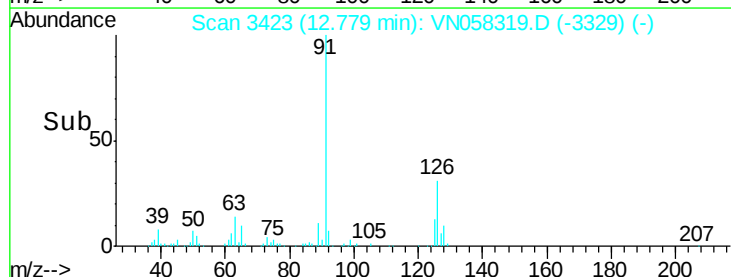
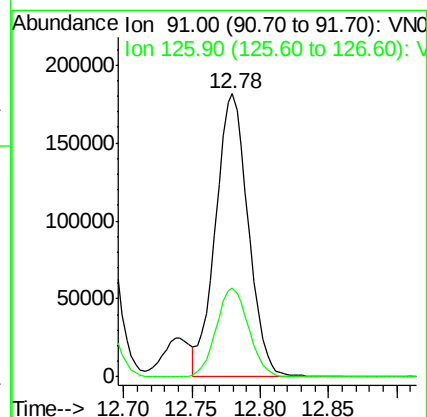
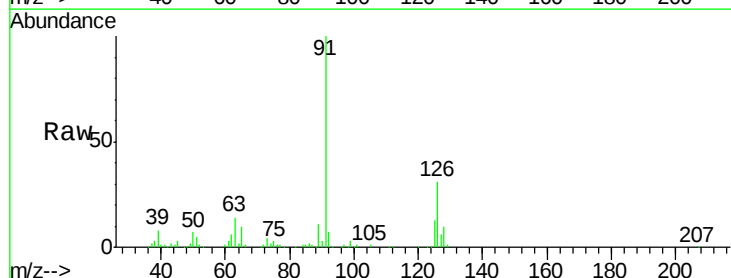
Acq: 24 Sep 2019 1:53

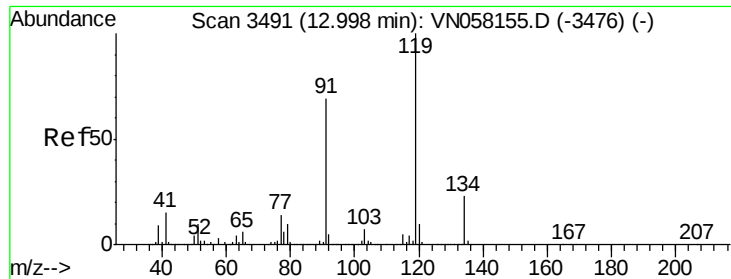
Tgt Ion: 91 Resp: 299823

Ion Ratio Lower Upper

91 100

126 31.5 15.7 47.1

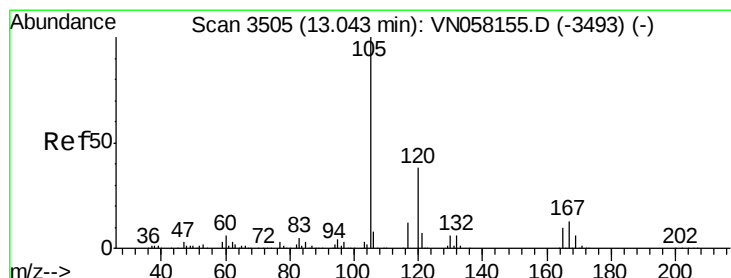
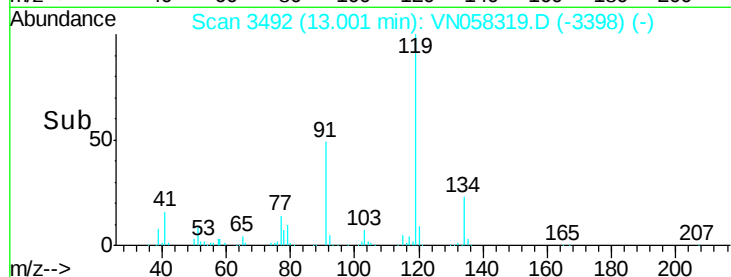
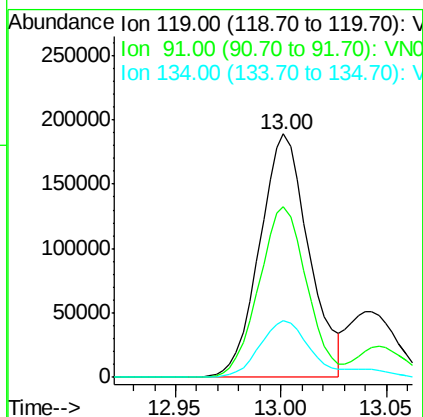
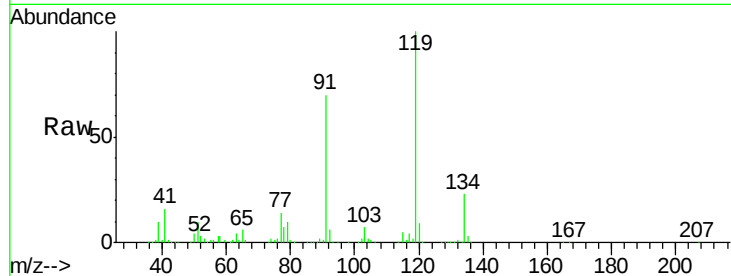




#83
tert-Butylbenzene
Concen: 21.560 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

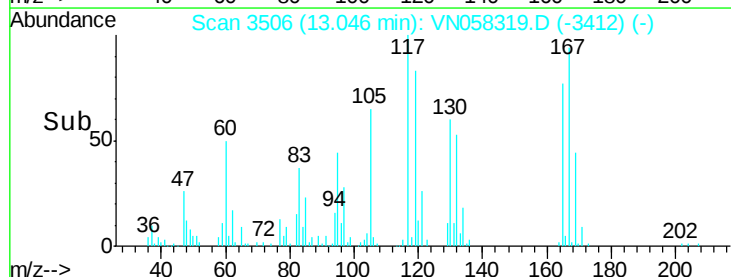
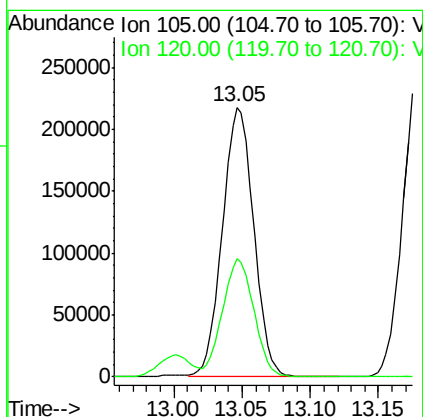
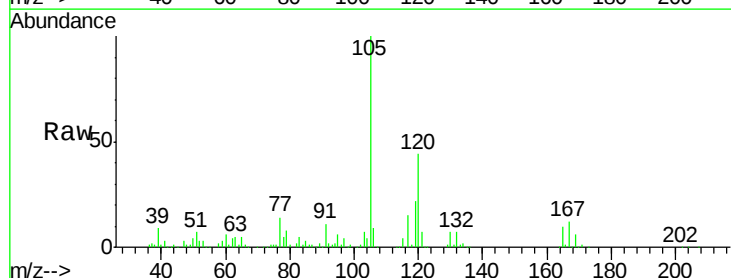
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

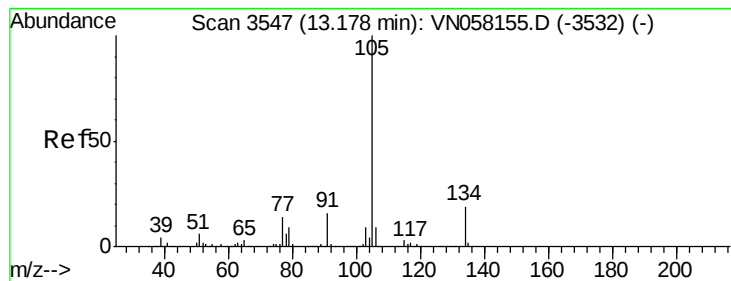
Tot Ion:119 Resp: 305987
Ion Ratio Lower Upper
119 100
91 69.0 33.8 101.3
134 23.5 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 21.817 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion:105 Resp: 345533
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.916 ug/l

RT: 13.18 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

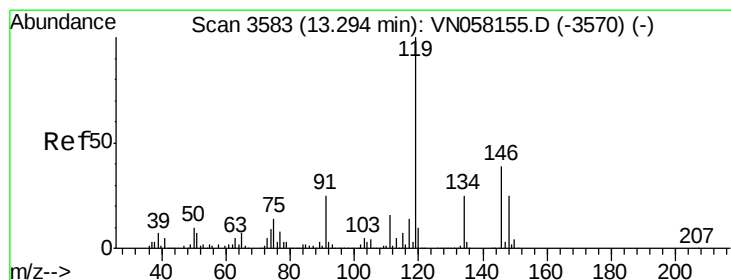
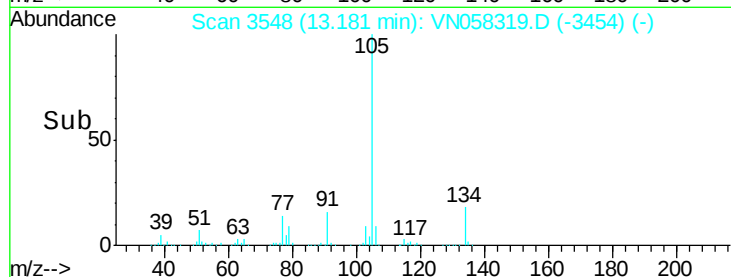
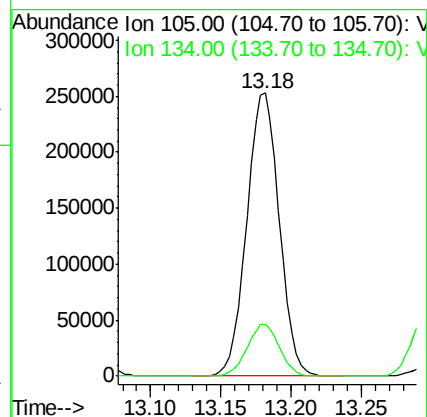
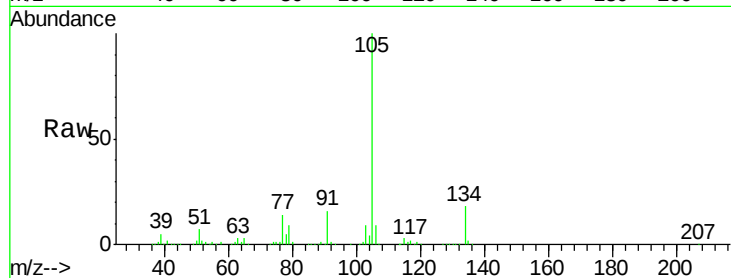
VN0923WBSD02

Tot Ion:105 Resp: 406735

Ion Ratio Lower Upper

105 100

134 18.3 9.5 28.5



#86

p-Isopropyltoluene

Concen: 21.652 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

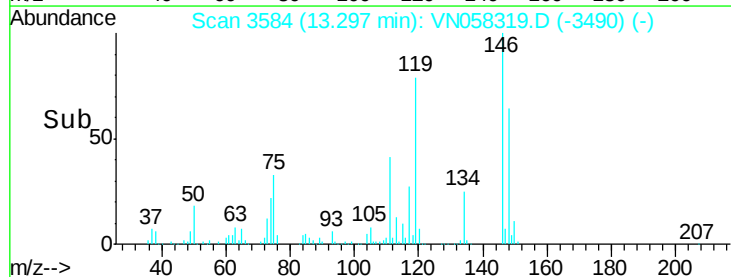
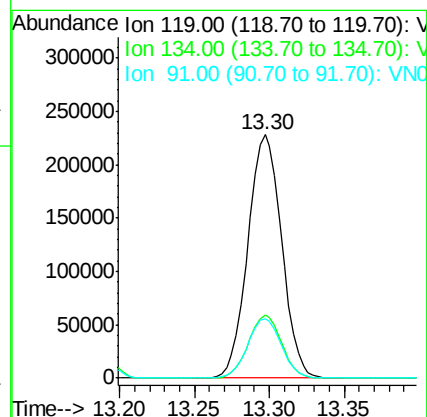
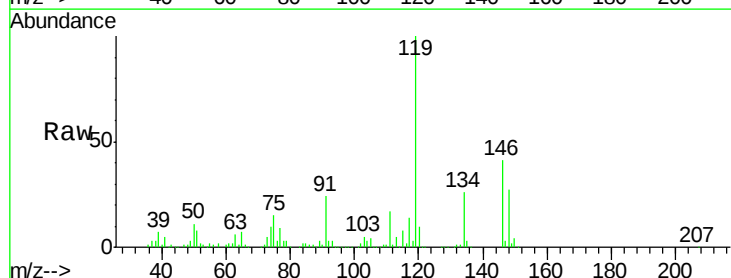
Tgt Ion:119 Resp: 357242

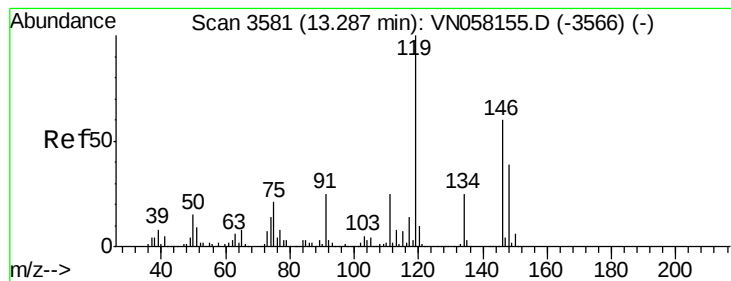
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 21.015 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

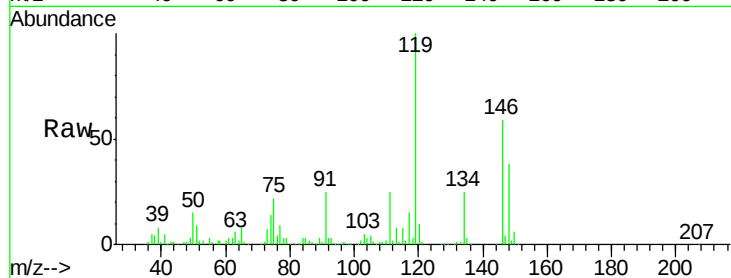
Tot Ion:146 Resp: 181713

Ion Ratio Lower Upper

146 100

111 42.1 20.9 62.8

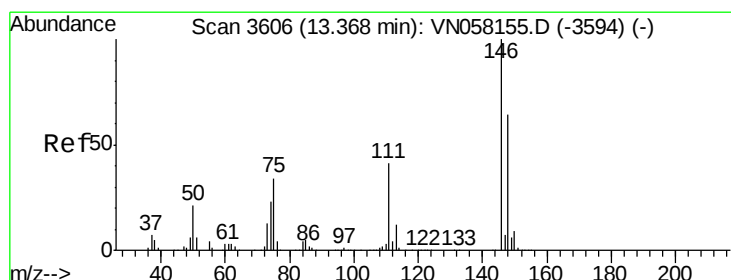
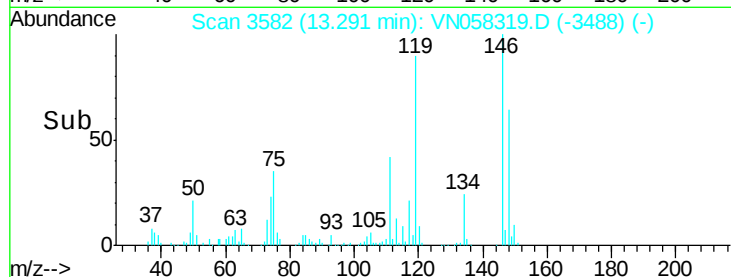
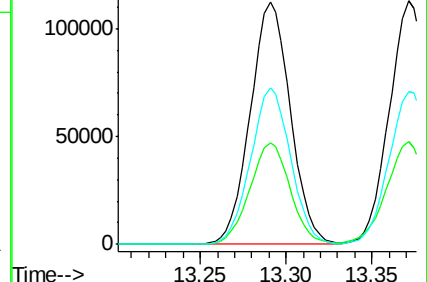
148 64.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.612 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

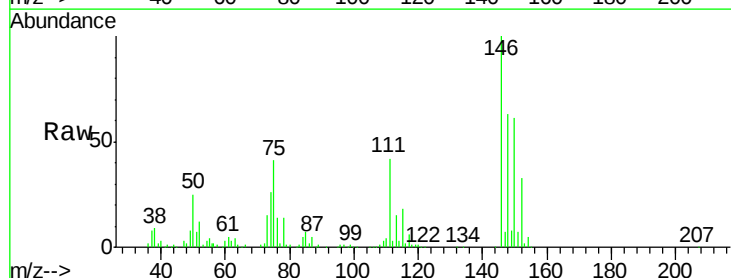
Tgt Ion:146 Resp: 181952

Ion Ratio Lower Upper

146 100

111 43.7 20.5 61.5

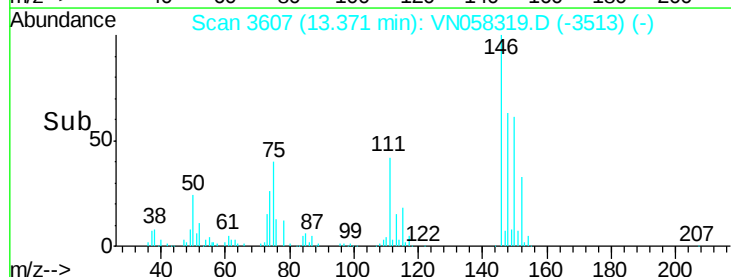
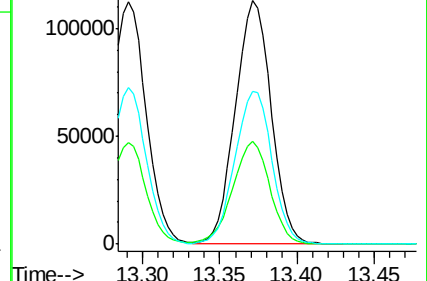
148 64.8 31.9 95.5

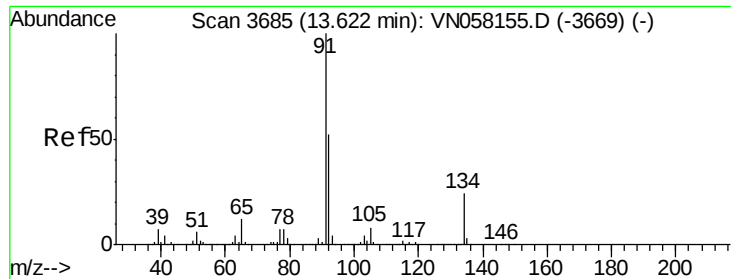


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.364 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleID :

VN0923WBSD02

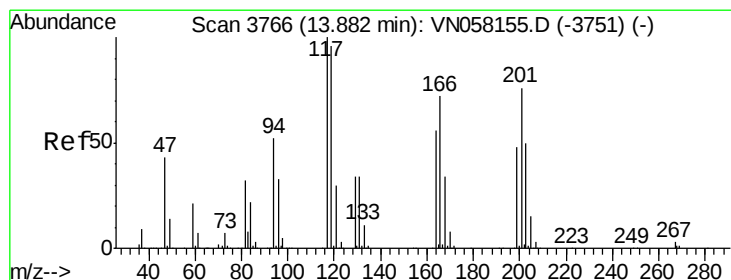
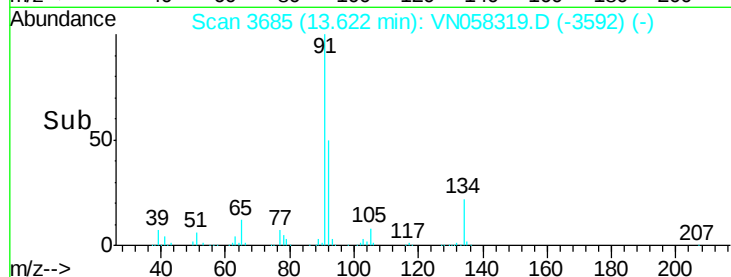
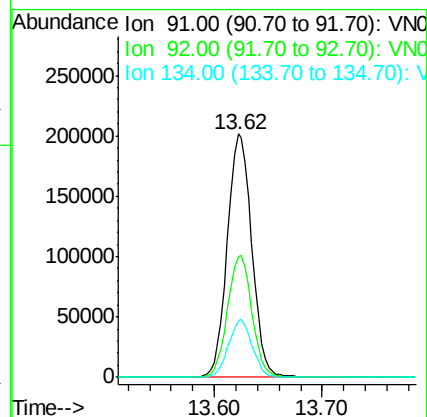
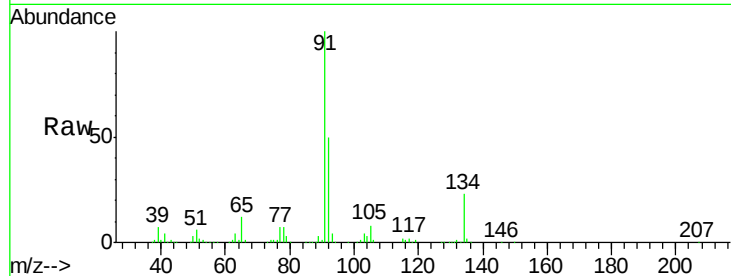
Tot Ion: 91 Resp: 318544

Ion Ratio Lower Upper

91 100

92 49.9 25.7 77.0

134 23.1 11.8 35.4



#90

Hexachloroethane

Concen: 21.007 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058319.D

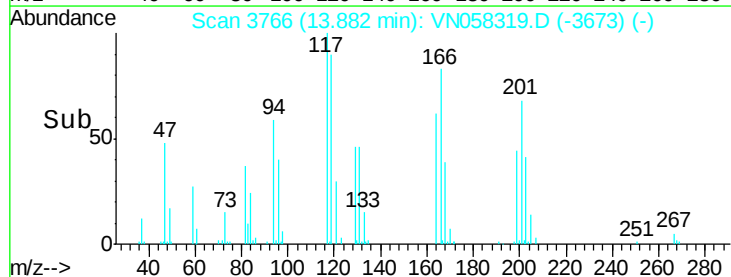
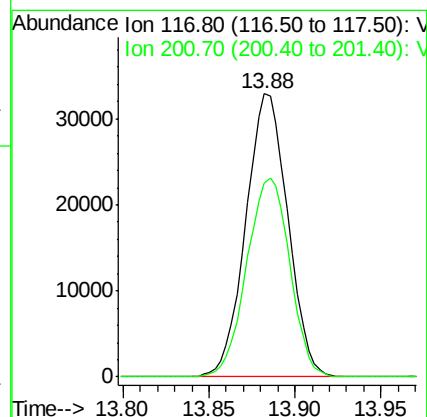
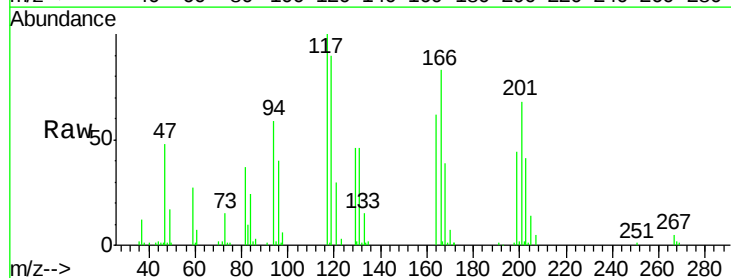
Acq: 24 Sep 2019 1:53

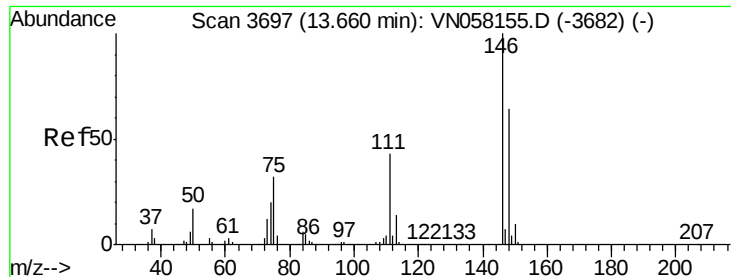
Tgt Ion: 117 Resp: 55760

Ion Ratio Lower Upper

117 100

201 71.8 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 21.634 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

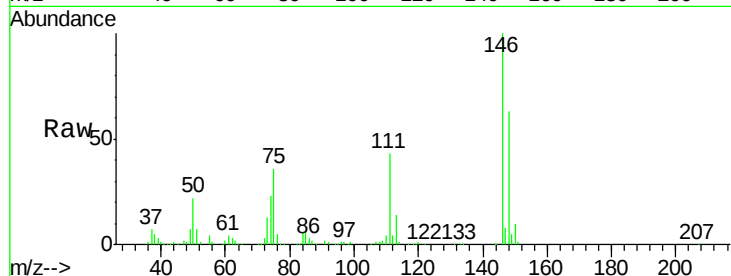
Tot Ion:146 Resp: 187645

Ion Ratio Lower Upper

146 100

111 43.9 21.1 63.1

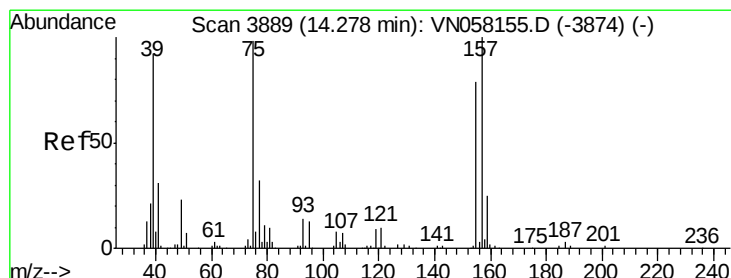
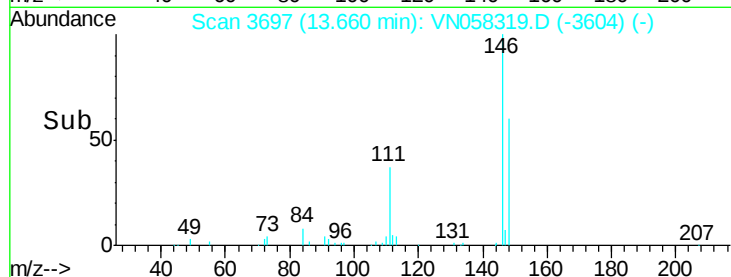
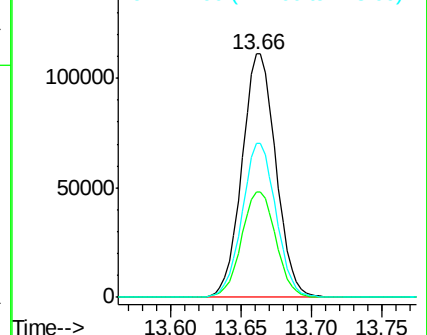
148 63.0 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.419 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

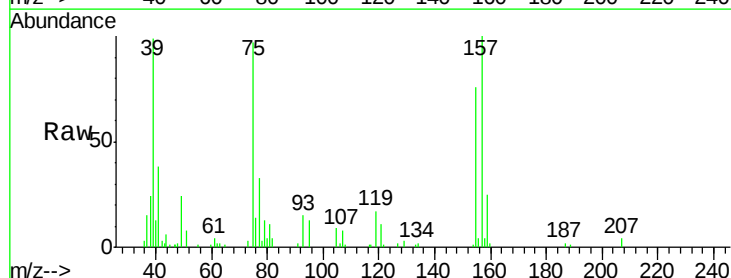
Tgt Ion: 75 Resp: 25438

Ion Ratio Lower Upper

75 100

155 77.4 38.3 114.8

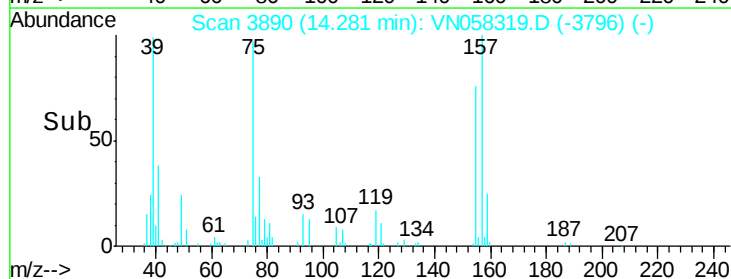
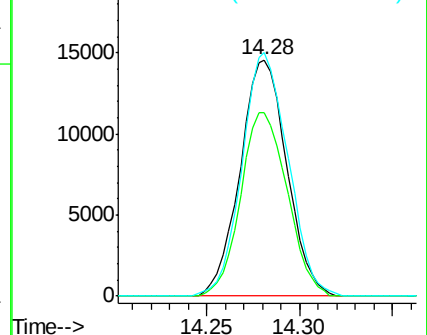
157 101.5 48.0 144.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

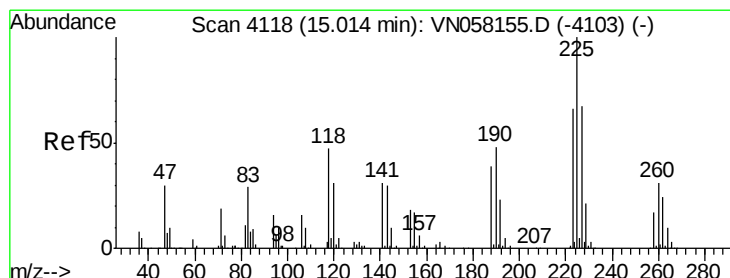
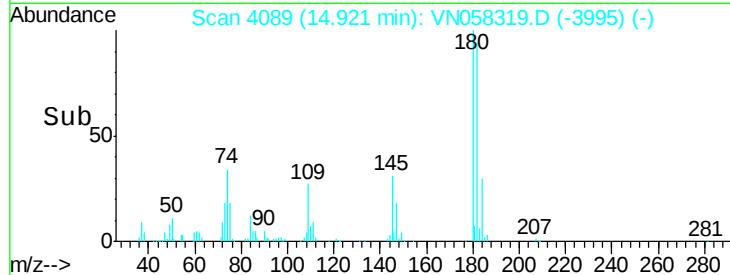
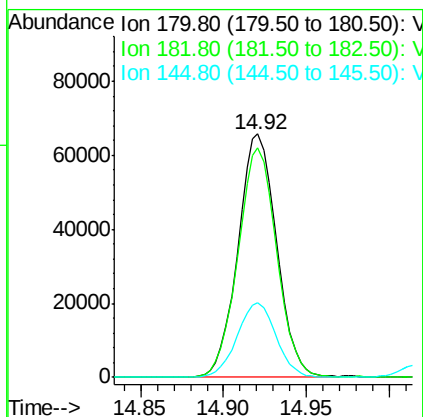
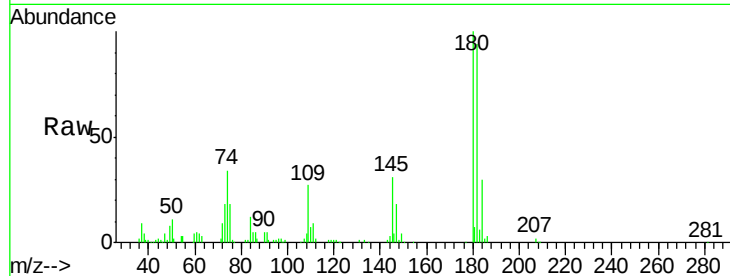




#93
 1,2,4-Trichlorobenzene
 Concen: 19.209 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

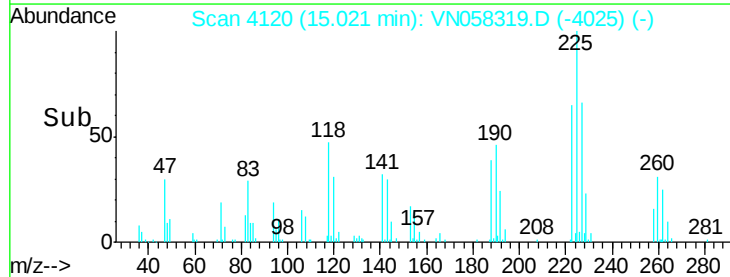
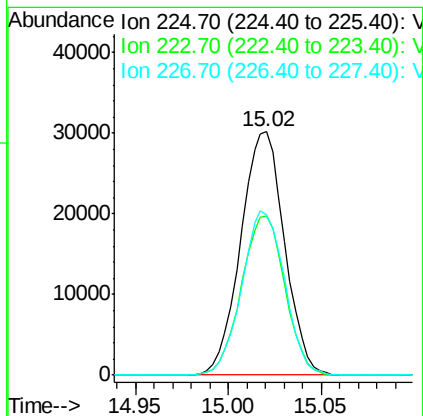
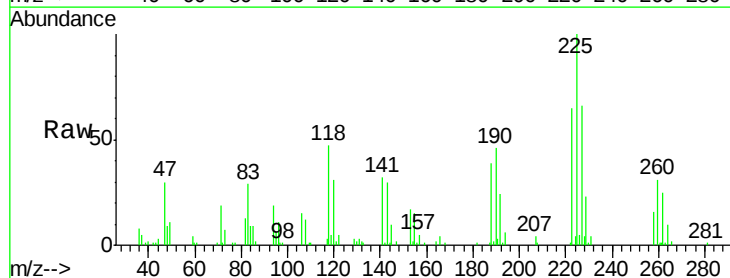
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

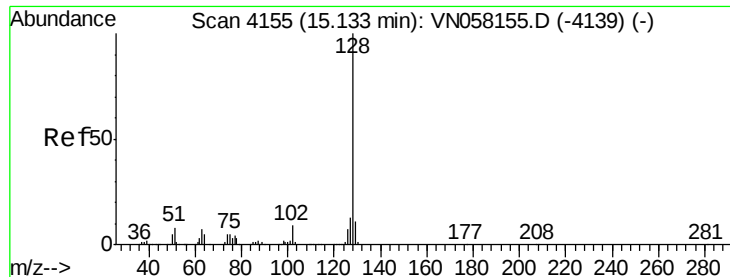
Tot Ion:180 Resp: 106450
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.8 143.3
 145 30.9 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 18.508 ug/l
 RT: 15.02 min Scan# 4120
 Delta R.T. 0.01 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion:225 Resp: 49575
 Ion Ratio Lower Upper
 225 100
 223 64.8 32.6 97.7
 227 66.1 33.0 99.0





#95

Naphthalene

Concen: 21.592 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

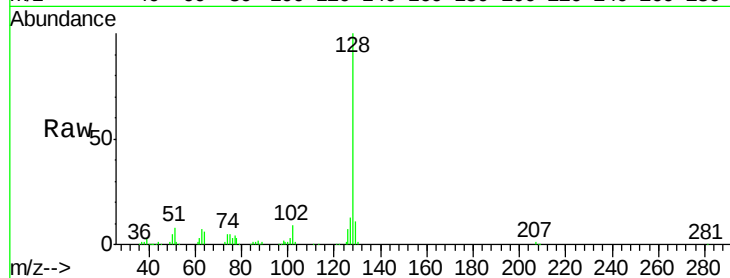
Tot Ion:128 Resp: 310098

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

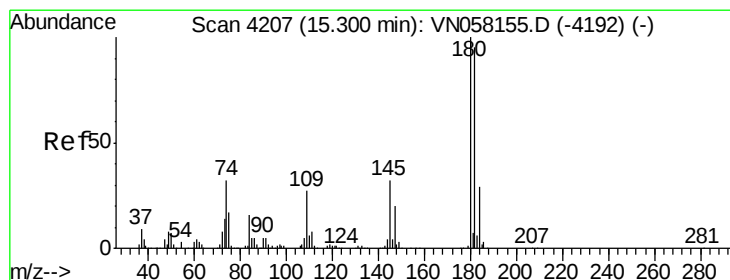
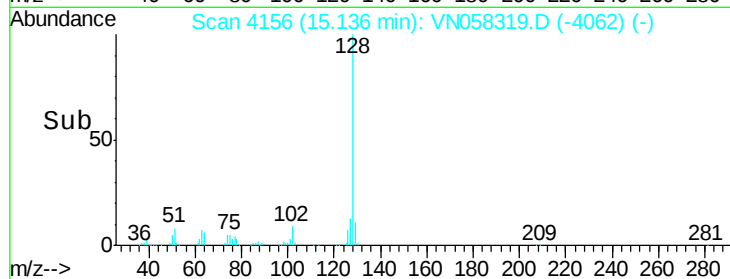
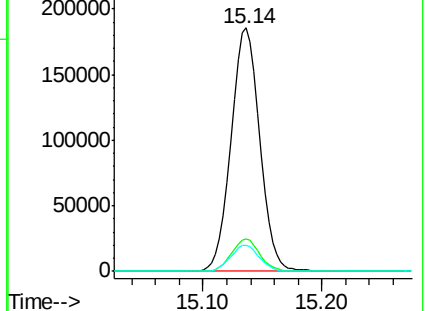
129 10.7 8.6 12.8



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: 19.874 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

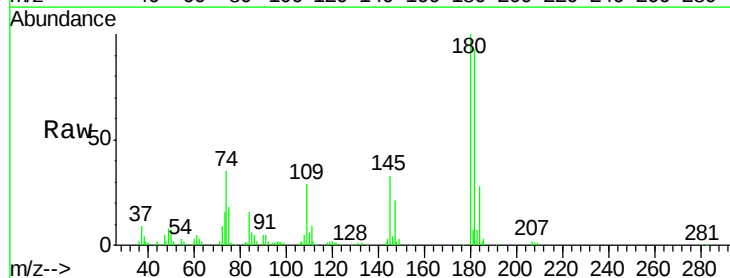
Tgt Ion:180 Resp: 104098

Ion Ratio Lower Upper

180 100

182 94.8 47.4 142.2

145 32.2 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

