

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092319\
 Data File : VN058292.D
 Acq On : 23 Sep 2019 15:07
 Operator : JC/SP
 Sample : VN0923MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Quant Time: Sep 24 01:32:44 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	441326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	770212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	689161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322486	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	332156	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
35) Dibromofluoromethane	7.58	113	238866	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.09	98	918878	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.41	95	326186	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	66925	18.460	ug/l	97
3) Chloromethane	2.04	50	58308	20.250	ug/l	99
4) Vinyl Chloride	2.17	62	62207	19.810	ug/l	99
5) Bromomethane	2.55	94	34263	21.597	ug/l	98
6) Chloroethane	2.69	64	43708	21.325	ug/l	99
7) Trichlorofluoromethane	3.00	101	98545	19.914	ug/l	99
8) Diethyl Ether	3.39	74	45512	20.072	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	71527	20.048	ug/l	99
10) Methyl Iodide	3.94	142	55367	18.520	ug/l	99
11) Tert butyl alcohol	4.76	59	89449	122.336	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	54917	20.070	ug/l	98
13) Acrolein	3.58	56	16223	149.717	ug/l	100
14) Allyl chloride	4.30	41	112894	19.337	ug/l	98
15) Acrylonitrile	4.96	53	234025	120.132	ug/l	99
16) Acetone	3.80	43	204487	98.006	ug/l	99
17) Carbon Disulfide	4.03	76	65481	17.359	ug/l	98
18) Methyl Acetate	4.30	43	127454	23.215	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	289373	21.504	ug/l	97
20) Methylene Chloride	4.53	84	81943	22.309	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	59434	19.902	ug/l	98
22) Diisopropyl ether	5.93	45	309800	20.890	ug/l	95
23) Vinyl Acetate	5.88	43	1116628	110.040	ug/l	99
24) 1,1-Dichloroethane	5.83	63	161089	20.352	ug/l	100
25) 2-Butanone	6.82	43	321430	113.077	ug/l	98
26) 2,2-Dichloropropane	6.81	77	112018	16.682	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	90052	20.121	ug/l	98
28) Bromochloromethane	7.18	49	84849	22.661	ug/l	100
29) Tetrahydrofuran	7.20	42	205068	117.118	ug/l	98
30) Chloroform	7.36	83	179388	21.055	ug/l	100
31) Cyclohexane	7.64	56	107067	19.452	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	136309	21.016	ug/l	99
36) 1,1-Dichloropropene	7.78	75	99619	17.935	ug/l	99
37) Ethyl Acetate	6.91	43	129169	22.409	ug/l	100
38) Carbon Tetrachloride	7.76	117	104348	18.689	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	98513	18.389	ug/l	97
40) Benzene	8.03	78	327778	19.321	ug/l	100
41) Methacrylonitrile	7.16	41	63627	22.423	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	139512	19.598	ug/l	99
43) Isopropyl Acetate	8.15	43	213713	19.852	ug/l #	91
44) Trichloroethene	8.83	130	79201	19.078	ug/l	97
45) 1,2-Dichloropropane	9.11	63	103359	20.401	ug/l	99
46) Dibromomethane	9.20	93	63024	20.461	ug/l	96
47) Bromodichloromethane	9.40	83	129062	20.000	ug/l	99
48) Methyl methacrylate	9.19	41	102880	21.048	ug/l	99
49) 1,4-Dioxane	9.19	88	38037	473.981	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	703032	122.950	ug/l	98
52) Toluene	10.15	92	204341	19.219	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	125676	19.012	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	136568	18.713	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	99188	21.022	ug/l	95
56) Ethyl methacrylate	10.43	69	142309	20.904	ug/l	98
57) 1,3-Dichloropropane	10.71	76	165542	20.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	358234	110.475	ug/l	99
59) 2-Hexanone	10.75	43	506270	119.214	ug/l	97
60) Dibromochloromethane	10.90	129	89975	19.822	ug/l	98
61) 1,2-Dibromoethane	11.00	107	88255	20.184	ug/l	100
64) Tetrachloroethene	10.63	164	63671	18.953	ug/l	98
65) Chlorobenzene	11.43	112	236607	19.519	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	91517	20.821	ug/l	97
67) Ethyl Benzene	11.51	91	420646	20.252	ug/l	99
68) m/p-Xylenes	11.63	106	297945	38.086	ug/l	96
69) o-Xylene	11.95	106	152394	19.812	ug/l	99
70) Styrene	11.97	104	265764	20.052	ug/l	99
71) Bromoform	12.13	173	54882	19.226	ug/l #	100
73) Isopropylbenzene	12.25	105	430931	21.348	ug/l	99
74) N-amyl acetate	12.07	43	186603	22.098	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	156301	23.123	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	179262	31.060	ug/l #	100
77) Bromobenzene	12.53	156	102488	20.185	ug/l	97
78) n-propylbenzene	12.60	91	499145	21.761	ug/l	99
79) 2-Chlorotoluene	12.68	91	302130	21.076	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	369549	21.650	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	33092	20.872	ug/l	95
82) 4-Chlorotoluene	12.78	91	314842	20.893	ug/l	99
83) tert-Butylbenzene	13.00	119	322232	21.169	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	367225	21.618	ug/l	99
85) sec-Butylbenzene	13.18	105	427984	21.501	ug/l	99
86) p-Isopropyltoluene	13.30	119	377139	21.312	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	191489	20.648	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	193413	20.428	ug/l	100
89) n-Butylbenzene	13.62	91	333488	19.877	ug/l	99
90) Hexachloroethane	13.88	117	58278	20.543	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	195216	20.984	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	27234	22.379	ug/l	97

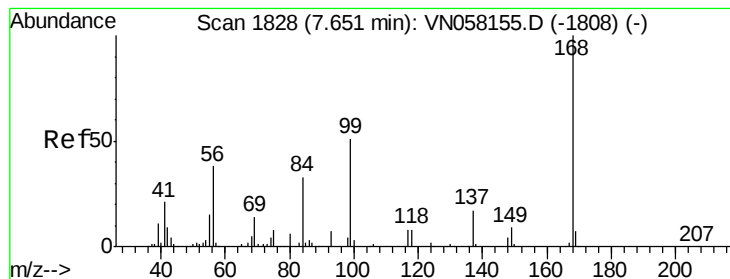
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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111726	18.797	ug/l	99
94) Hexachlorobutadiene	15.02	225	53755	18.711	ug/l	97
95) Naphthalene	15.14	128	319626	20.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	106648	18.983	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: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

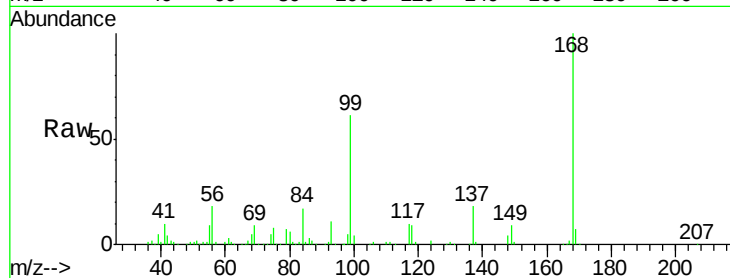
VN0923MBSD01

Tot Ion:168 Resp: 441326

Ion Ratio Lower Upper

168 100

99 60.5 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

200000

150000

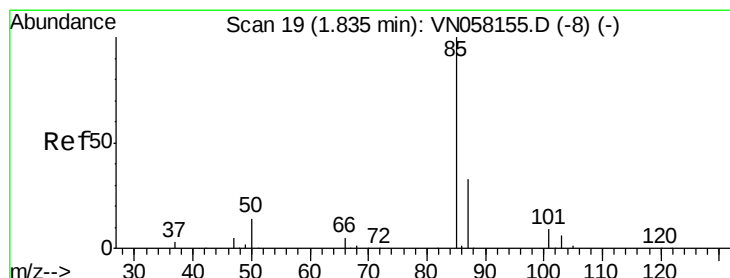
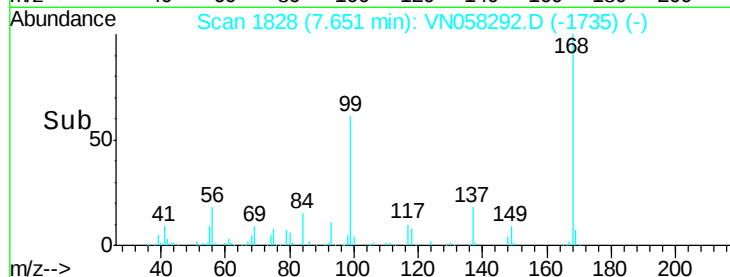
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.460 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058292.D

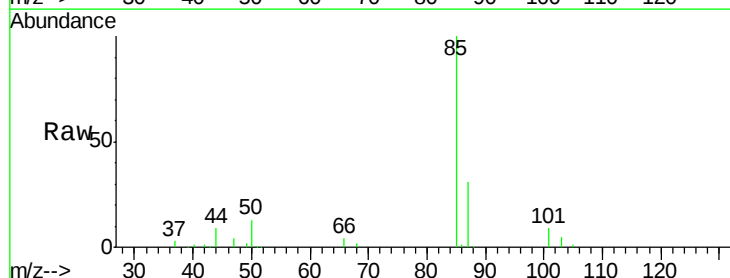
Acq: 23 Sep 2019 15:07

Tgt Ion: 85 Resp: 66925

Ion Ratio Lower Upper

85 100

87 30.8 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

30000

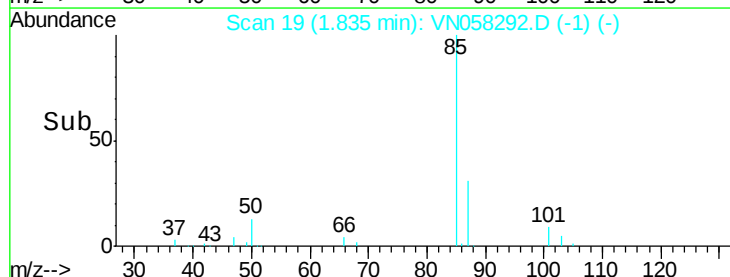
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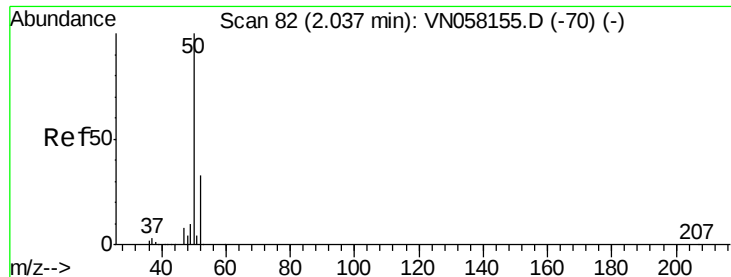
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.250 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

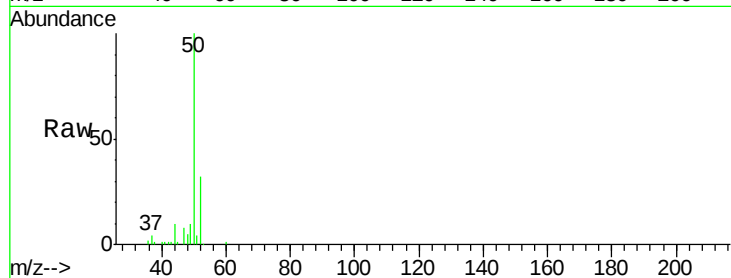
VN0923MBSD01

Tot Ion: 50 Resp: 58308

Ion Ratio Lower Upper

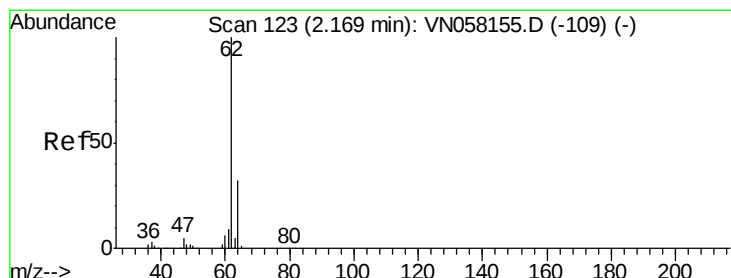
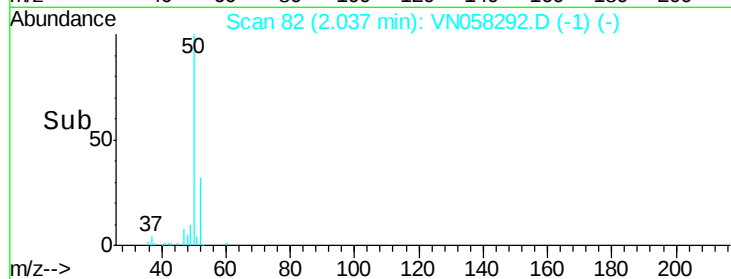
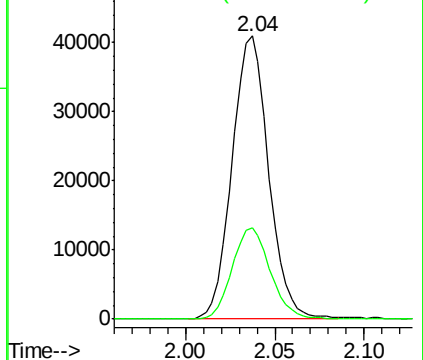
50 100

52 32.2 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.810 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058292.D

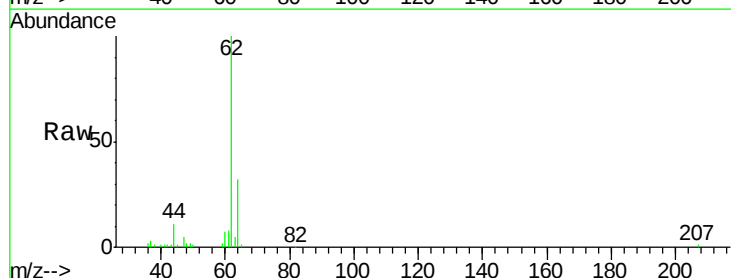
Acq: 23 Sep 2019 15:07

Tgt Ion: 62 Resp: 62207

Ion Ratio Lower Upper

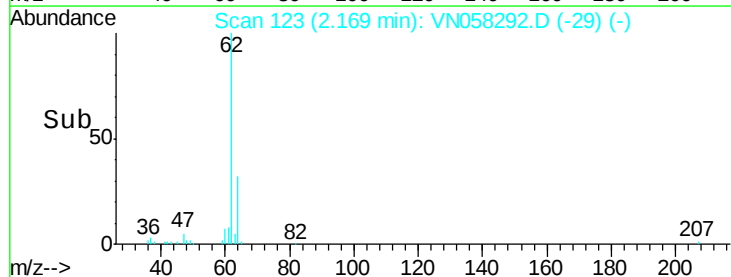
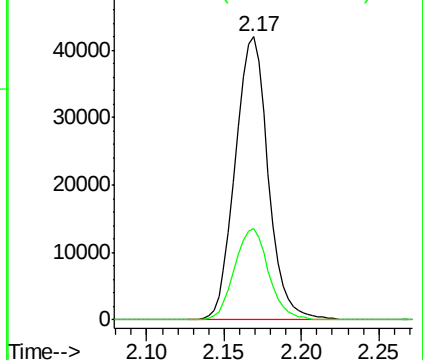
62 100

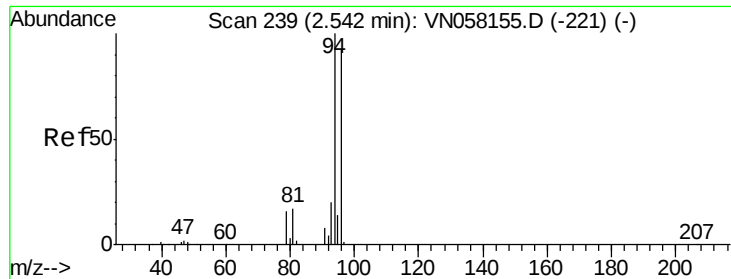
64 32.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

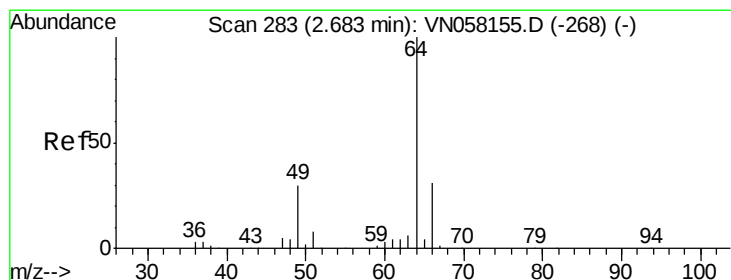
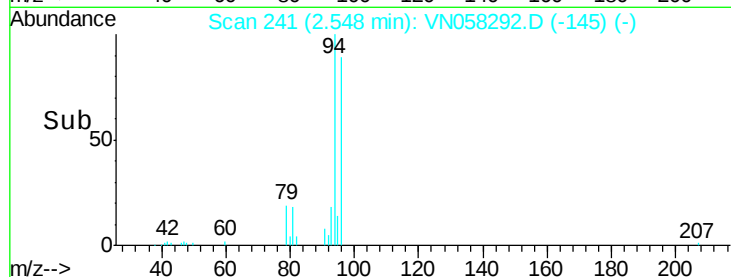
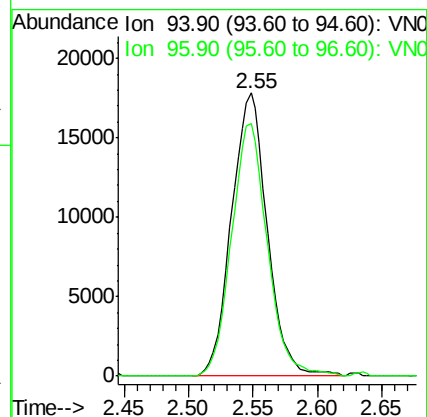
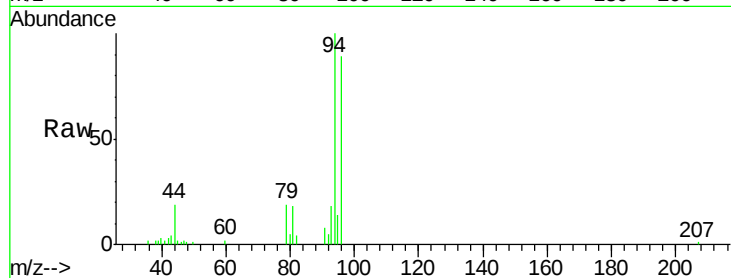




#5
Bromomethane
Concen: 21.597 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

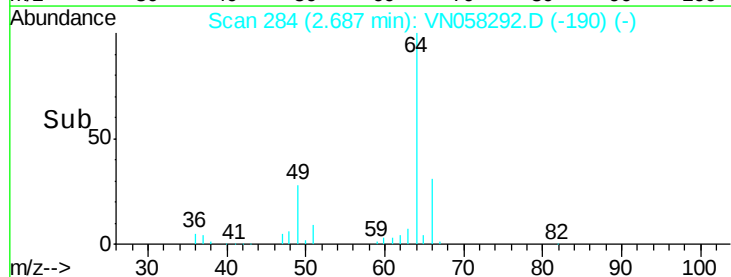
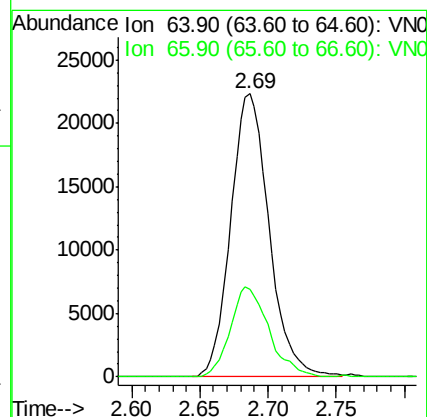
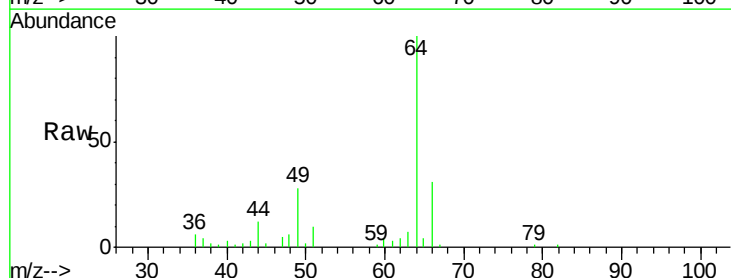
Instrument :
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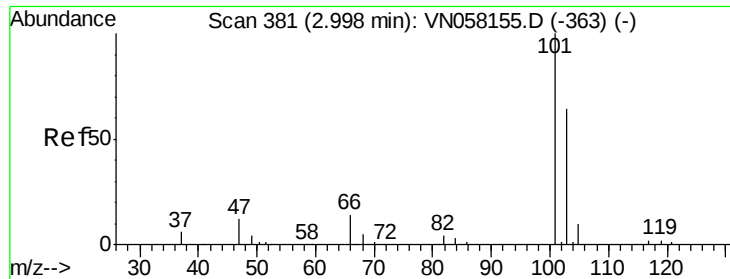
Tot Ion: 94 Resp: 34263
Ion Ratio Lower Upper
94 100
96 89.5 73.3 109.9



#6
Chloroethane
Concen: 21.325 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 64 Resp: 43708
Ion Ratio Lower Upper
64 100
66 31.1 24.6 37.0



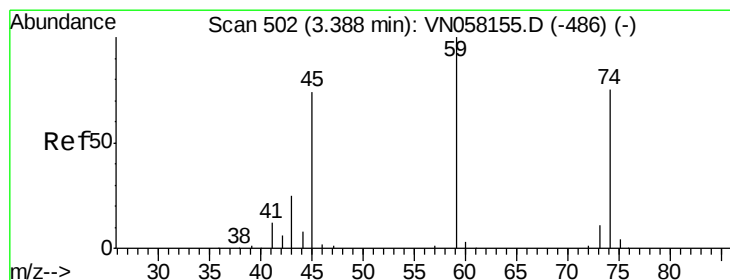
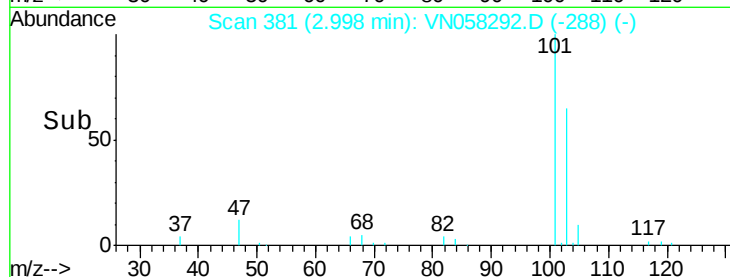
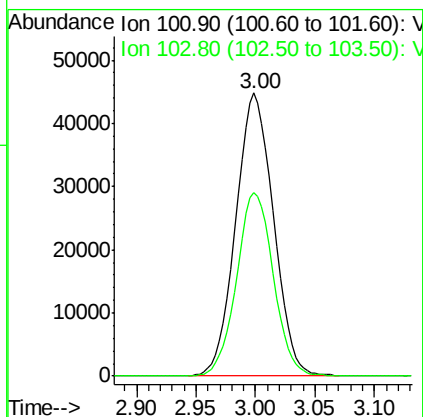
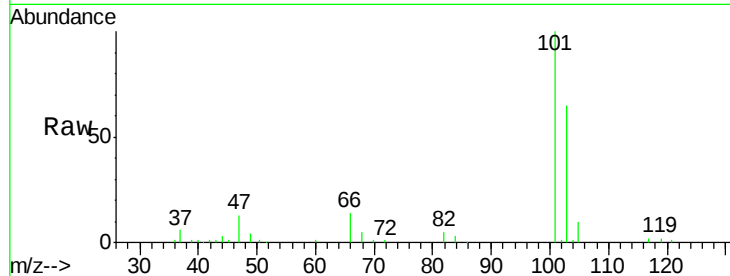


#7

Trichlorofluoromethane
 Concen: 19.914 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

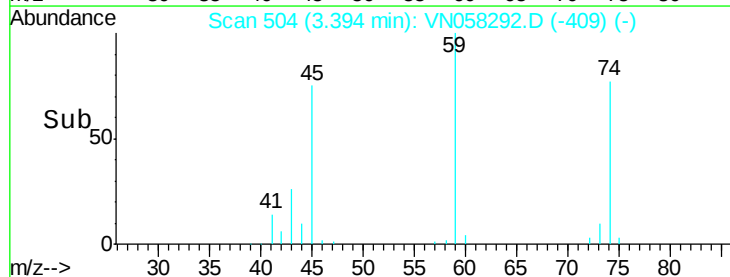
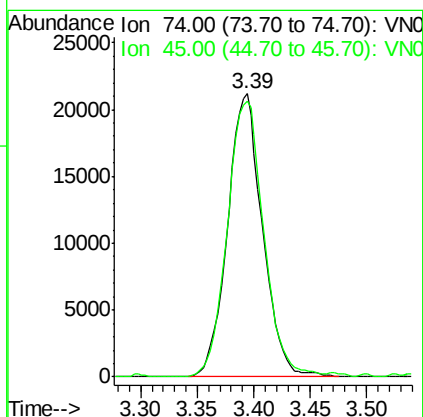
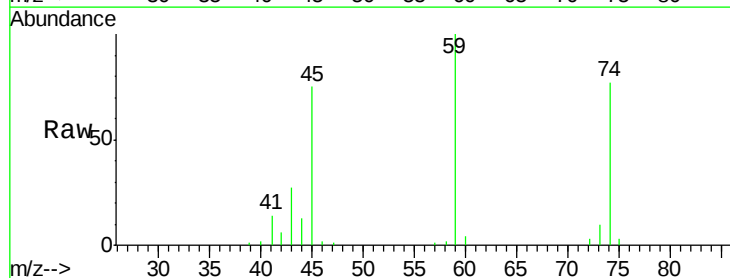
Tot Ion:101 Resp: 98545
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.0 76.6



#8

Diethyl Ether
 Concen: 20.072 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion: 74 Resp: 45512
 Ion Ratio Lower Upper
 74 100
 45 101.9 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.048 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

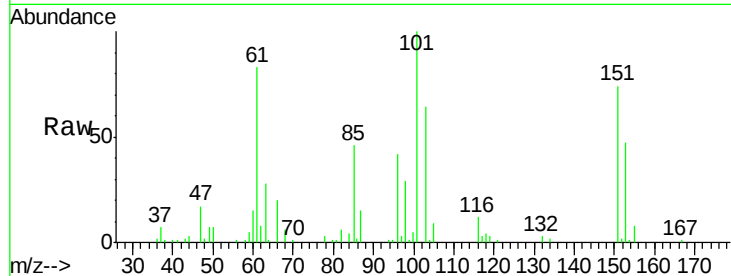
Tot Ion:101 Resp: 71527

Ion Ratio Lower Upper

101 100

85 46.1 37.3 55.9

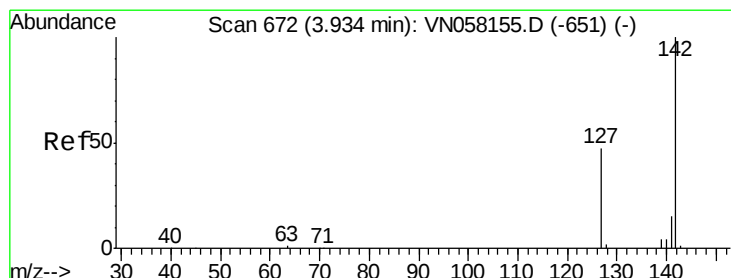
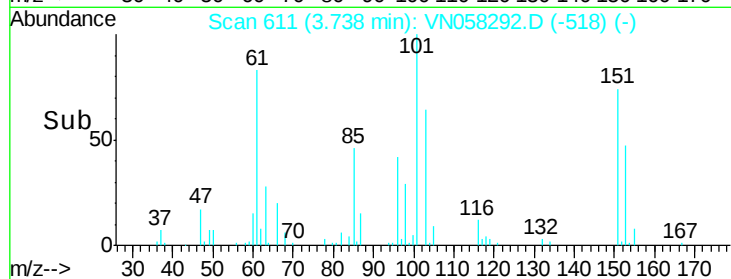
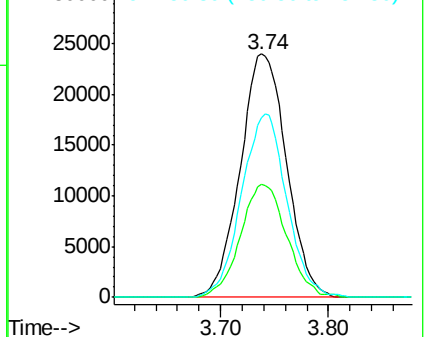
151 73.7 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.520 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

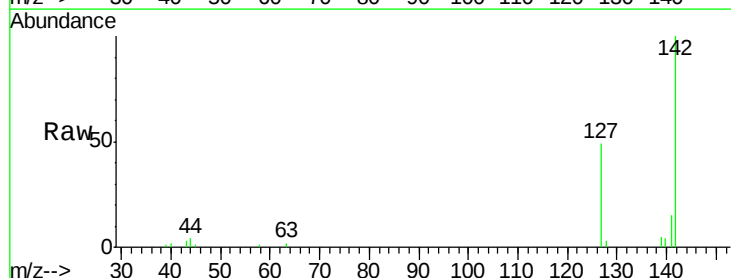
Tgt Ion:142 Resp: 55367

Ion Ratio Lower Upper

142 100

127 48.1 37.5 56.3

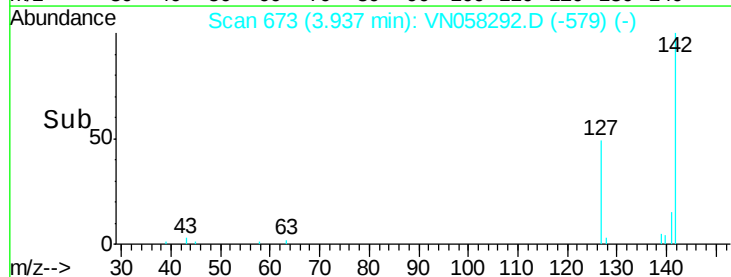
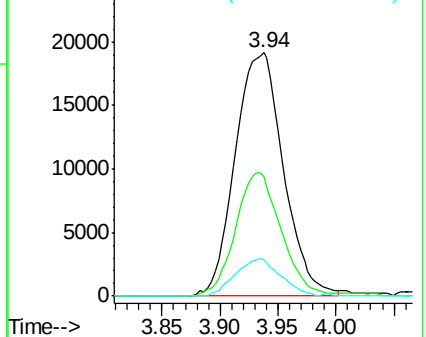
141 14.4 11.4 17.2

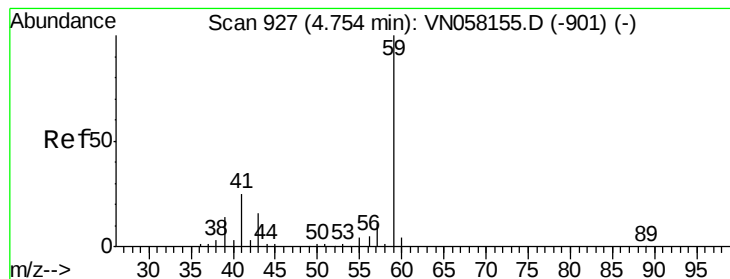


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



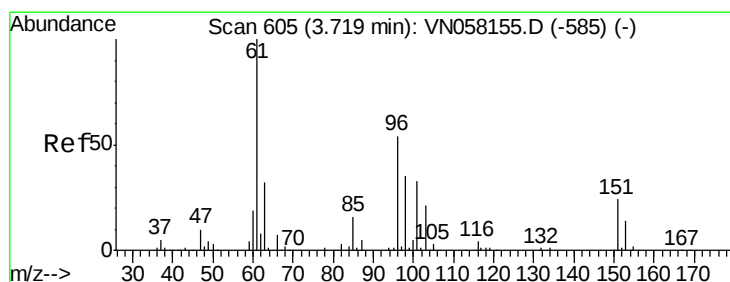
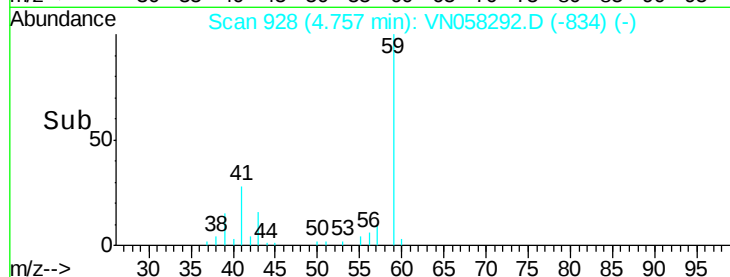
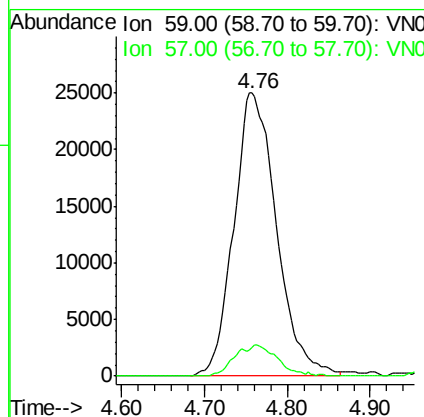
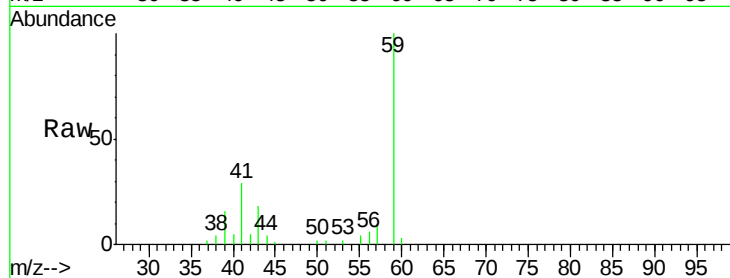


#11

Tert butyl alcohol
 Concen: 122.336 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

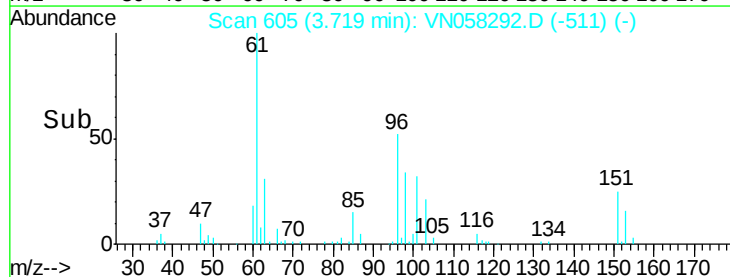
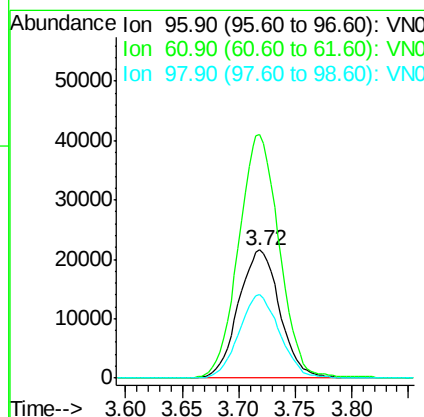
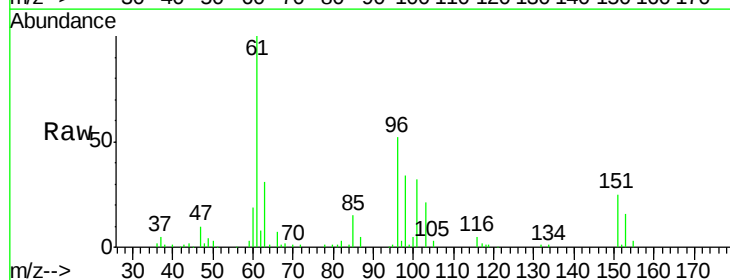
Tot Ion: 59 Resp: 89449
 Ion Ratio Lower Upper
 59 100
 57 6.0 8.6 13.0#



#12

1,1-Dichloroethene
 Concen: 20.070 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion: 96 Resp: 54917
 Ion Ratio Lower Upper
 96 100
 61 190.5 149.5 224.3
 98 65.3 52.4 78.6





#13

Acrolein

Concen: 149.717 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

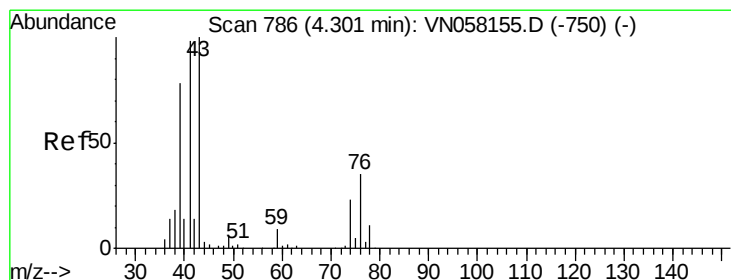
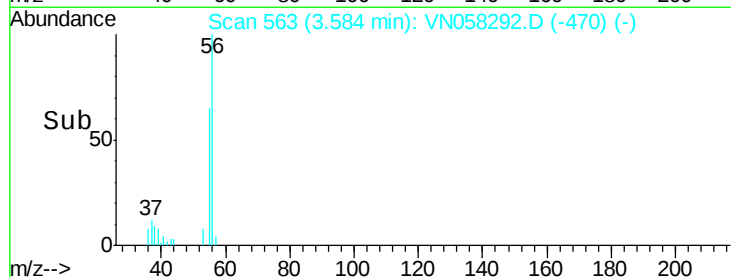
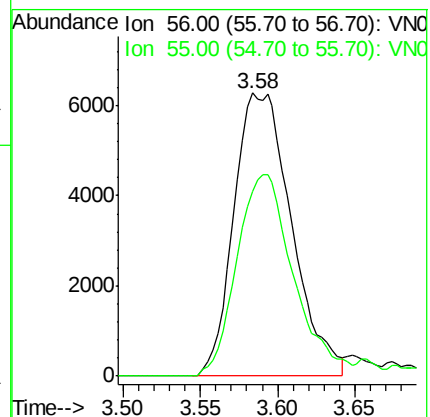
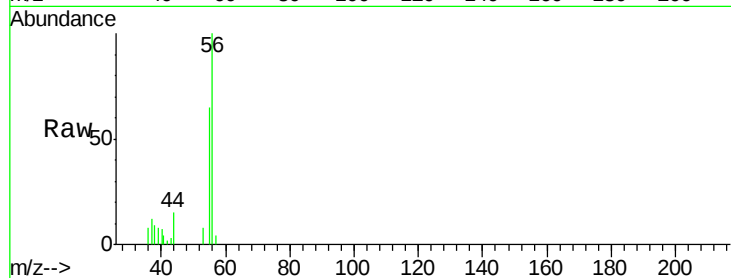
VN0923MBSD01

Tot Ion: 56 Resp: 16223

Ion Ratio Lower Upper

56 100

55 70.2 56.1 84.1



#14

Allyl chloride

Concen: 19.337 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

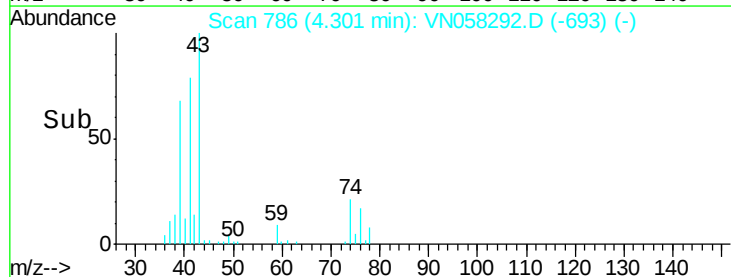
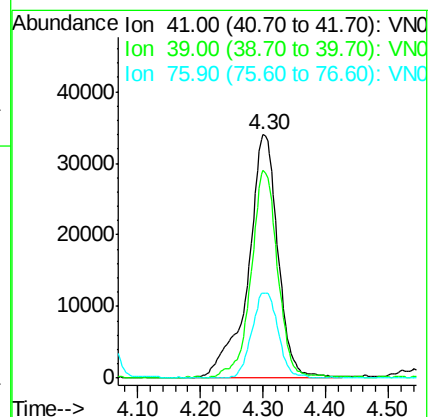
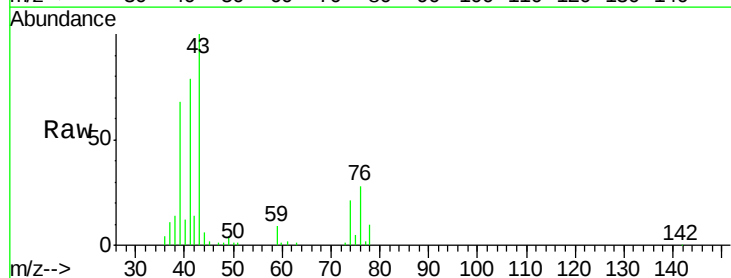
Tgt Ion: 41 Resp: 112894

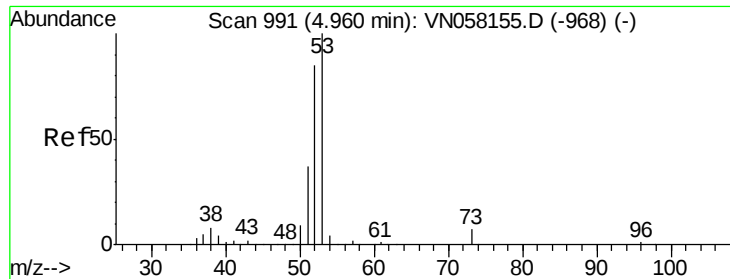
Ion Ratio Lower Upper

41 100

39 75.6 59.1 88.7

76 30.7 25.1 37.7





#15

Acrylonitrile

Concen: 120.132 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

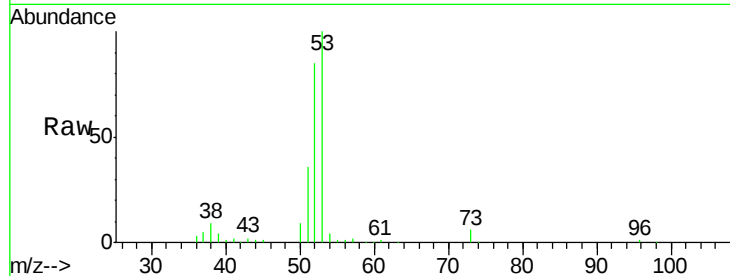
Tot Ion: 53 Resp: 234025

Ion Ratio Lower Upper

53 100

52 82.7 66.6 100.0

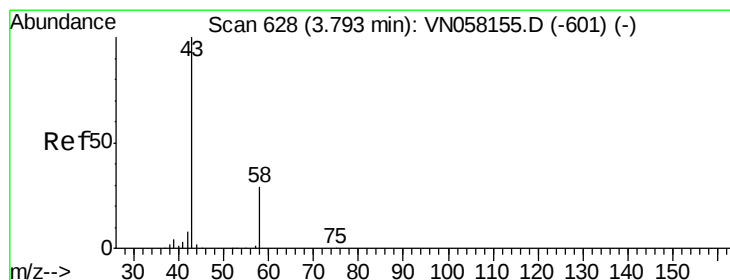
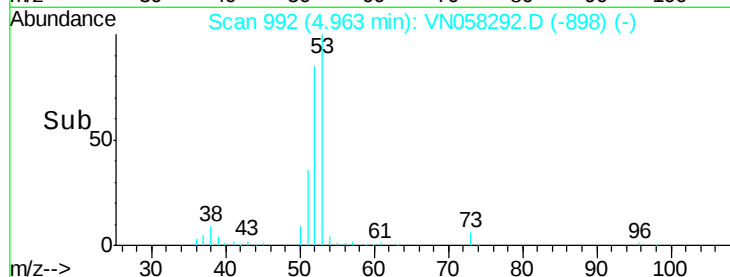
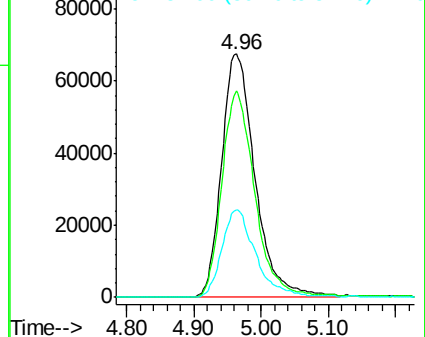
51 36.5 29.7 44.5



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: 98.006 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058292.D

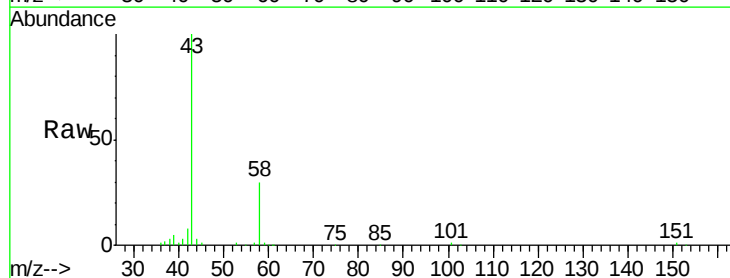
Acq: 23 Sep 2019 15:07

Tgt Ion: 43 Resp: 204487

Ion Ratio Lower Upper

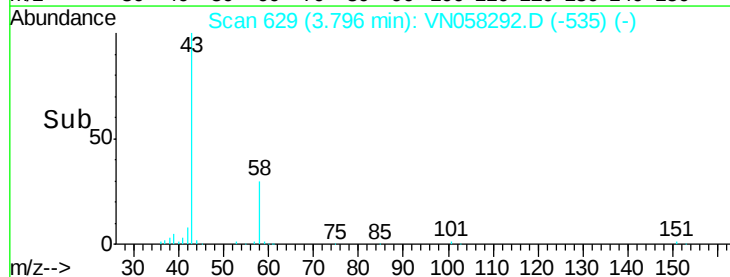
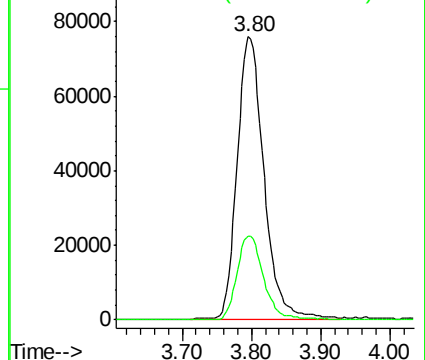
43 100

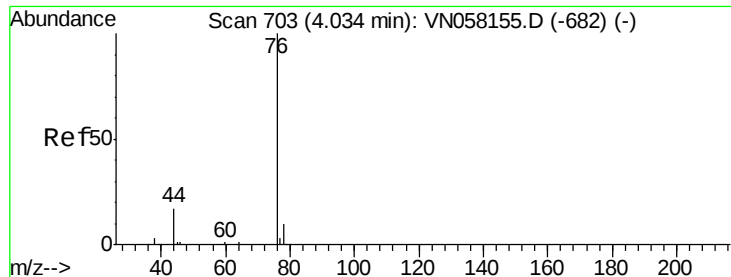
58 29.8 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

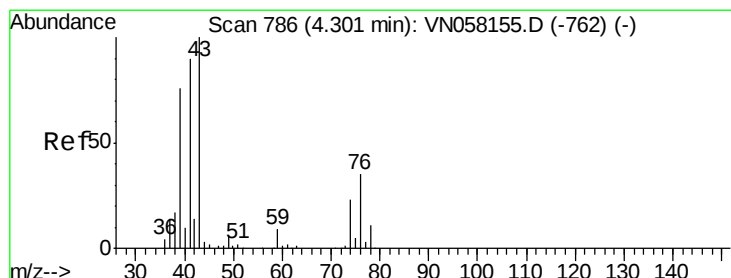
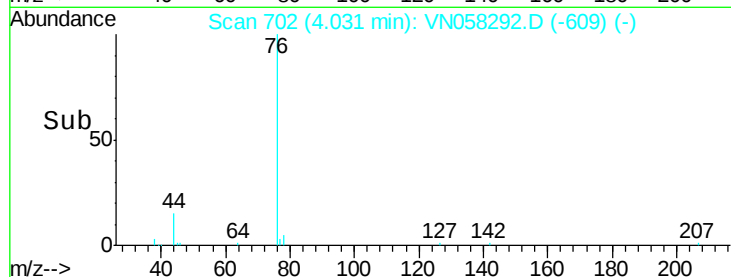
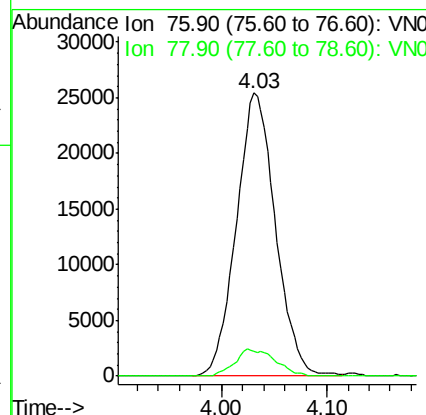
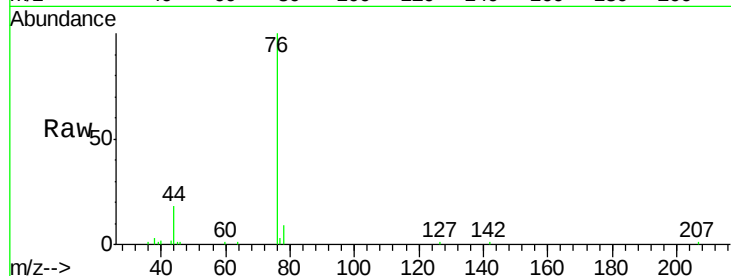




#17
Carbon Disulfide
Concen: 17.359 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

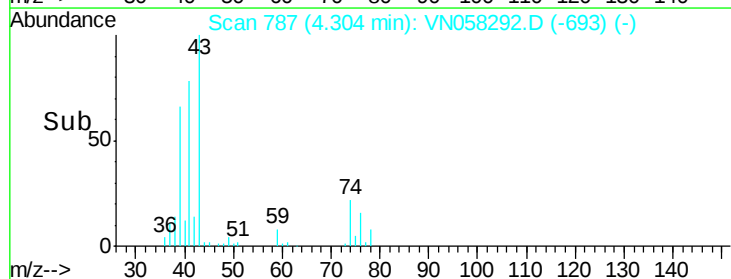
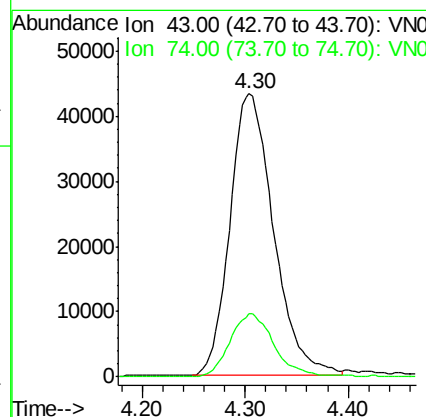
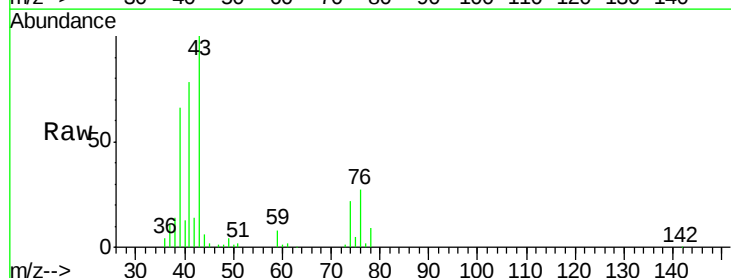
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

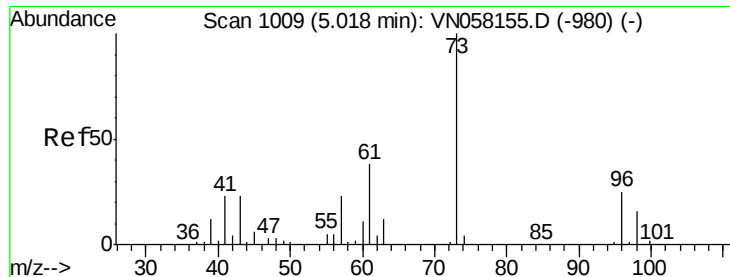
Tot Ion: 76 Resp: 65481
Ion Ratio Lower Upper
76 100
78 8.7 7.7 11.5



#18
Methyl Acetate
Concen: 23.215 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 43 Resp: 127454
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0

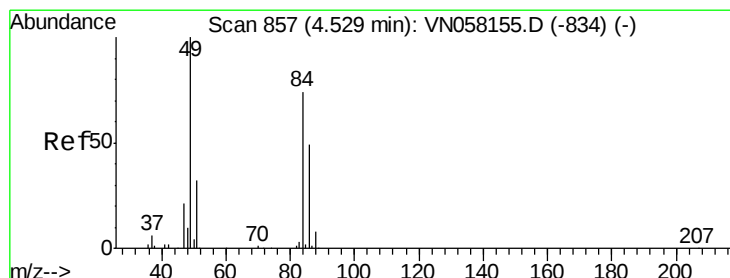
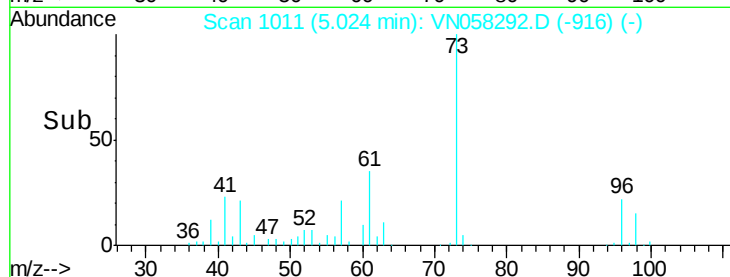
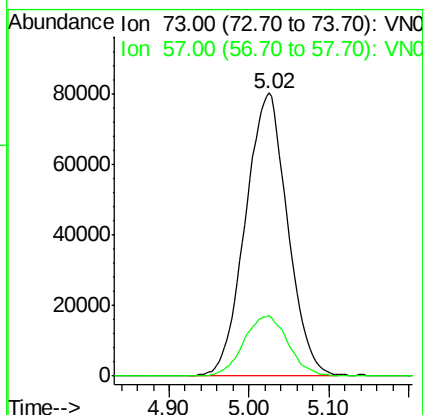
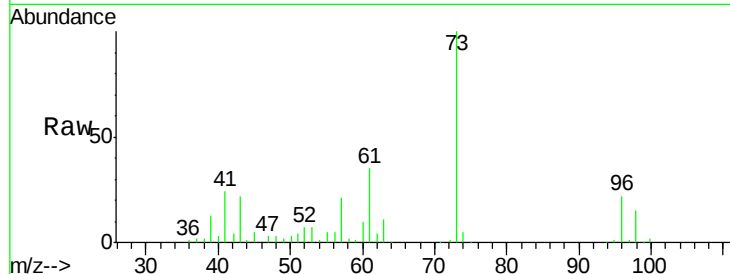




#19
Methvl tert-butvl Ether
Concen: 21.504 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

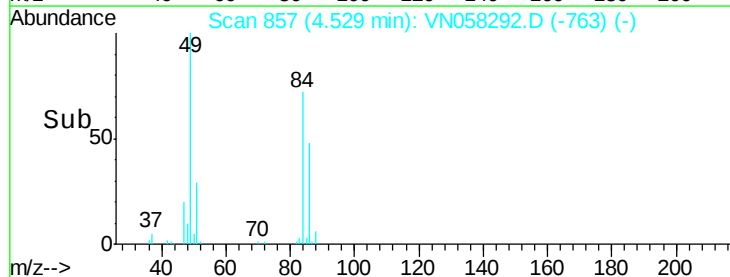
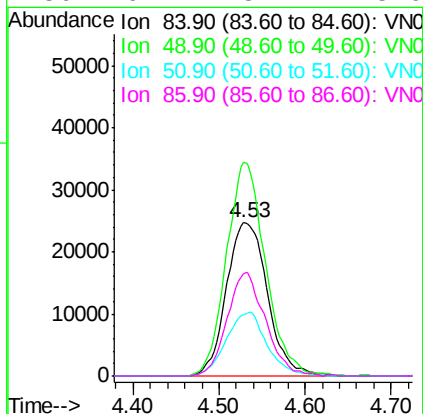
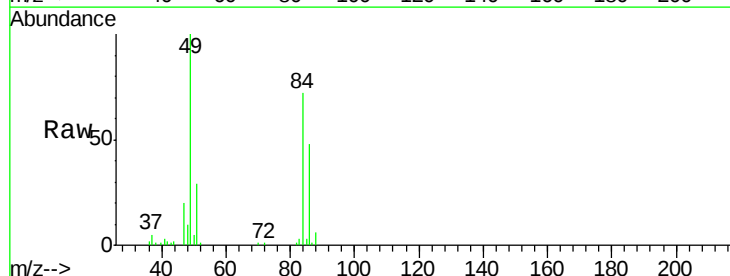
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

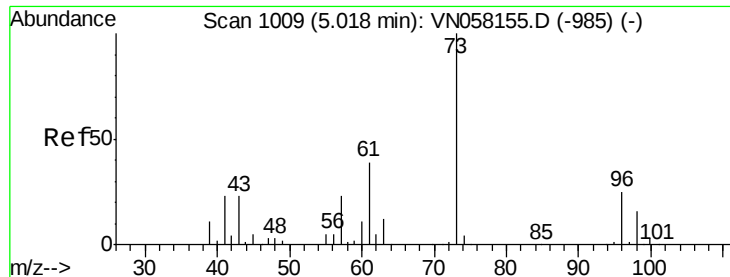
Tot Ion: 73 Resp: 289373
Ion Ratio Lower Upper
73 100
57 21.4 18.1 27.1



#20
Methylene Chloride
Concen: 22.309 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 84 Resp: 81943
Ion Ratio Lower Upper
84 100
49 139.5 107.5 161.3
51 40.4 33.9 50.9
86 67.1 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 19.902 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0923MBSD01

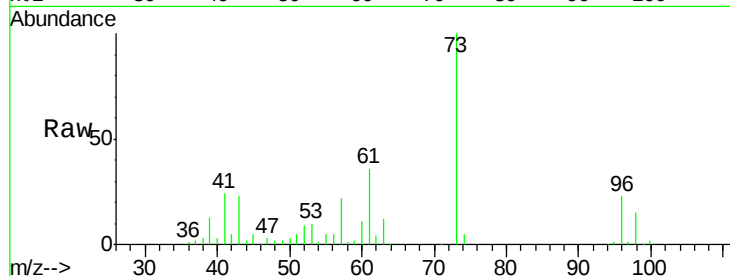
Tot Ion: 96 Resp: 59434

Ion Ratio Lower Upper

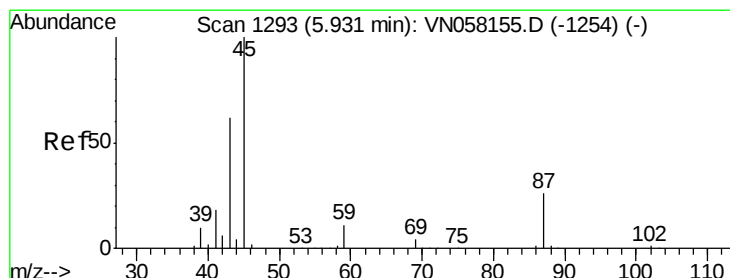
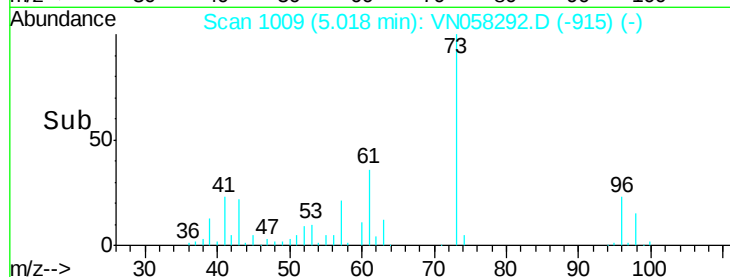
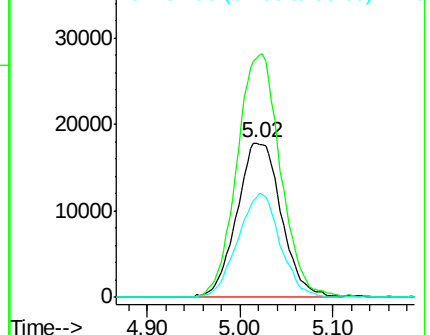
96 100

61 155.4 122.2 183.4

98 65.2 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: 20.890 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion: 45 Resp: 309800

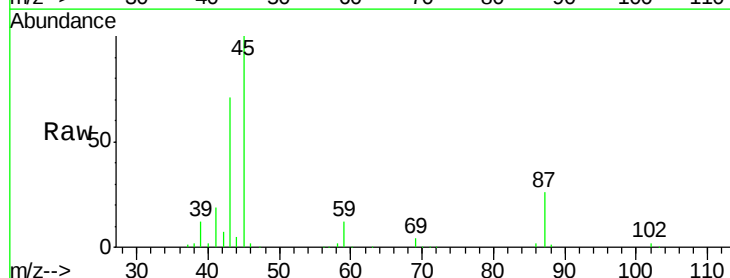
Ion Ratio Lower Upper

45 100

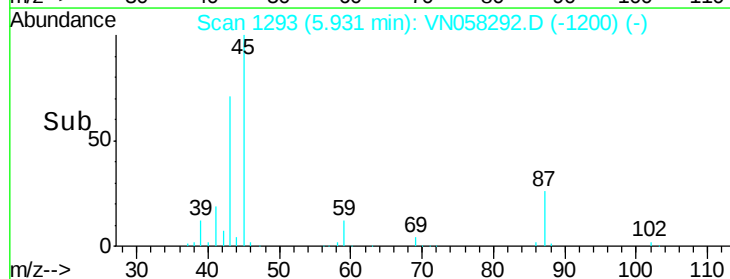
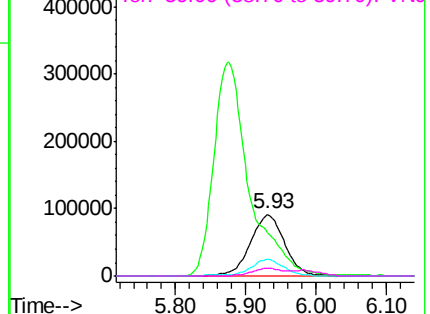
43 68.3 49.7 74.5

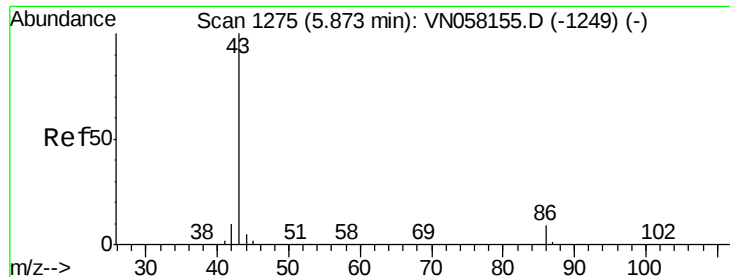
87 26.3 20.7 31.1

59 11.7 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

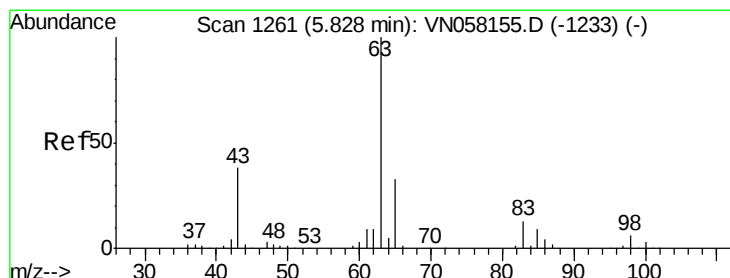
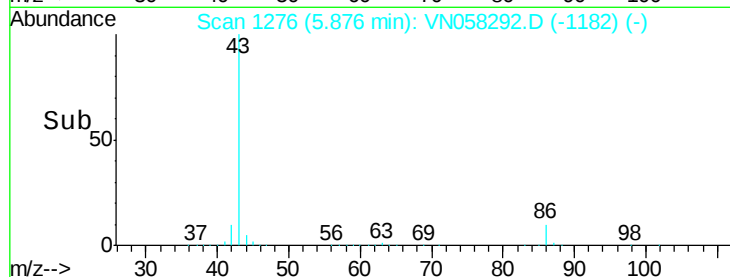
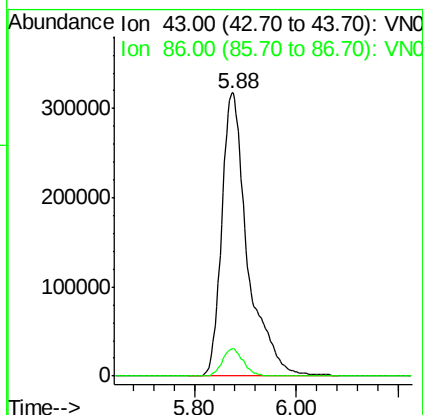
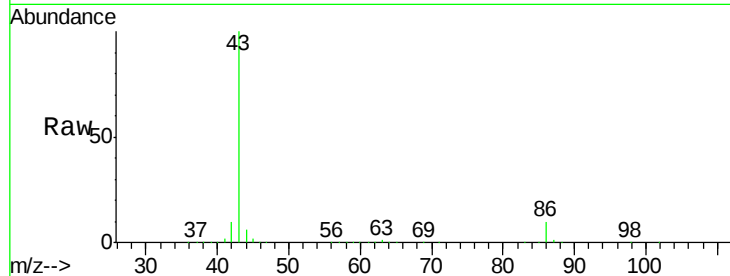




#23
 Vinyl Acetate
 Concen: 110.040 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

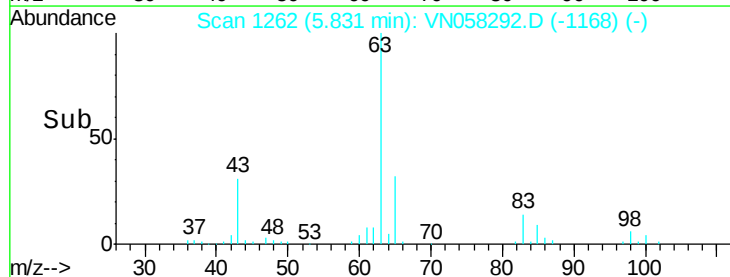
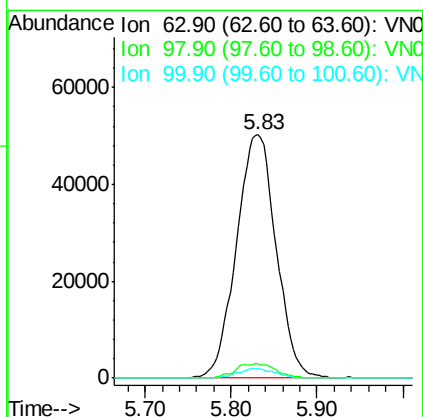
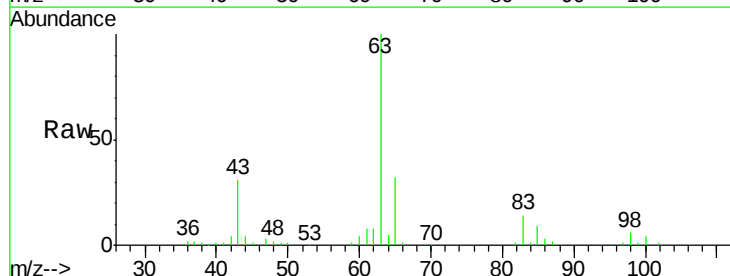
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0923MBSD01

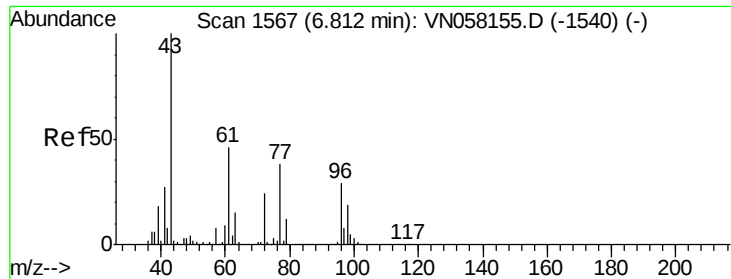
Tot Ion: 43 Resp: 1116628
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 20.352 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion: 63 Resp: 161089
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.6
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 113.077 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

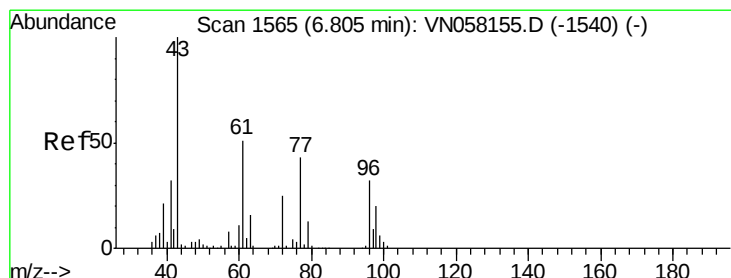
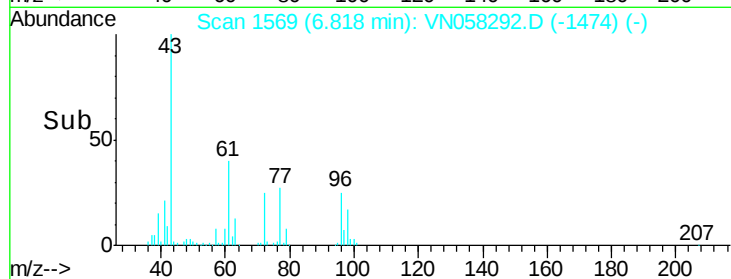
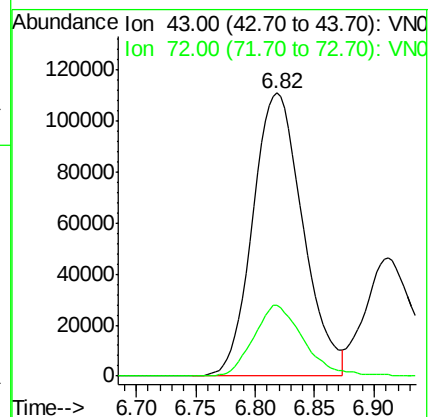
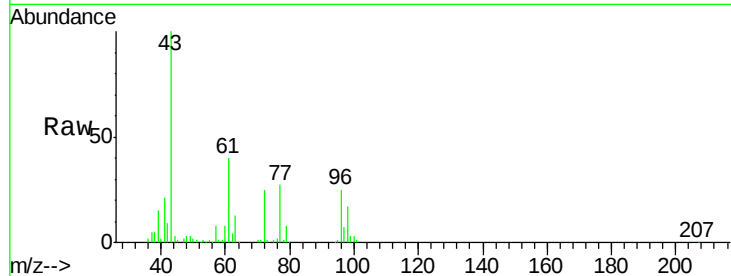
VN0923MBS01

Tot Ion: 43 Resp: 321430

Ion Ratio Lower Upper

43 100

72 25.3 19.5 29.3



#26

2,2-Dichloropropane

Concen: 16.682 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058292.D

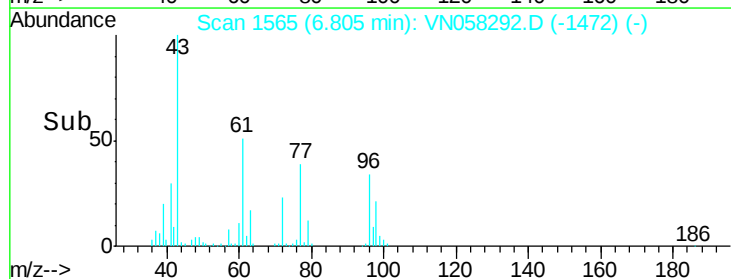
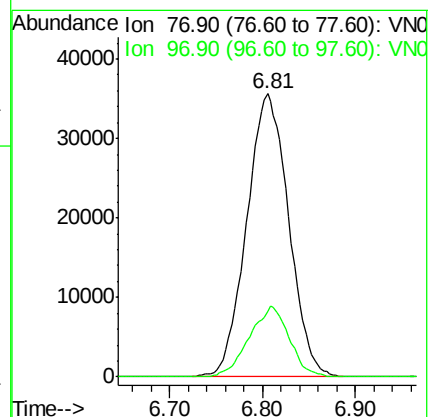
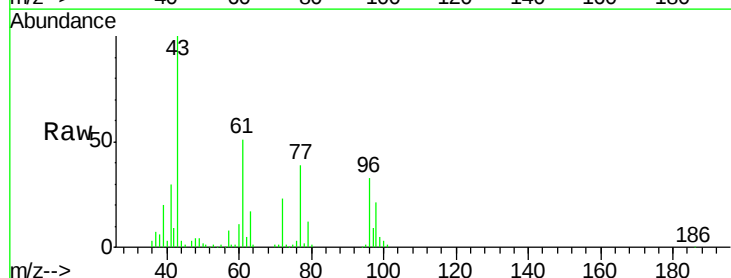
Acq: 23 Sep 2019 15:07

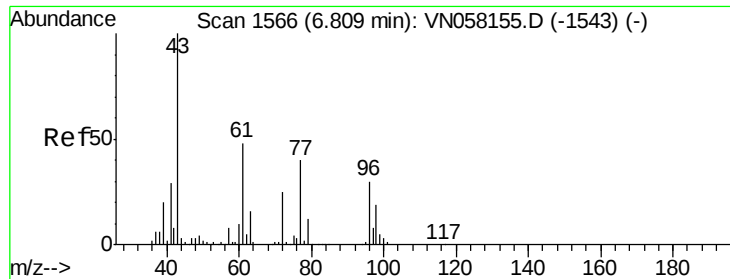
Tgt Ion: 77 Resp: 112018

Ion Ratio Lower Upper

77 100

97 23.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.121 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

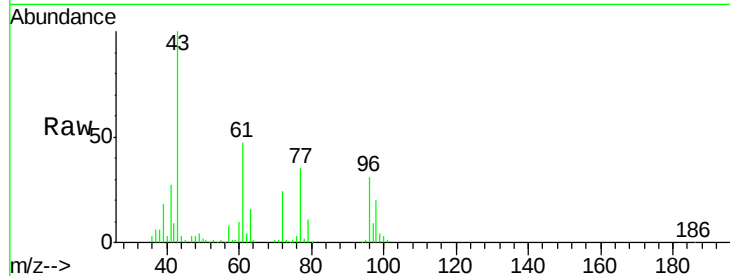
Tot Ion: 96 Resp: 90052

Ion Ratio Lower Upper

96 100

61 156.3 0.0 319.0

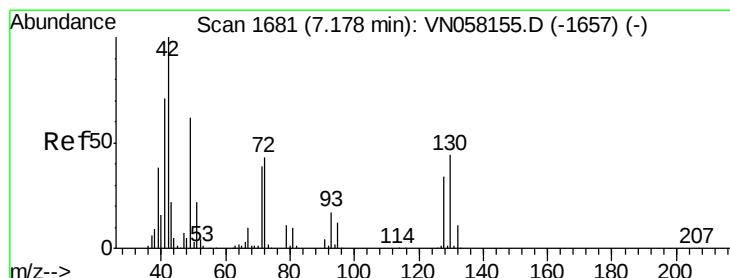
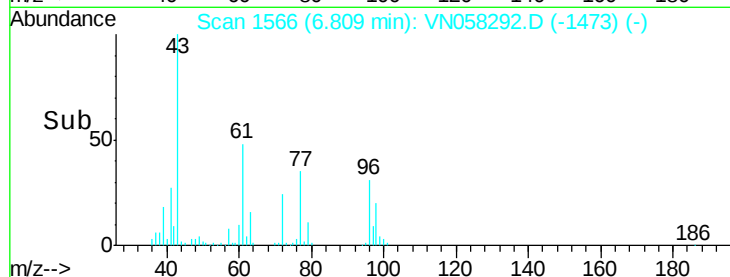
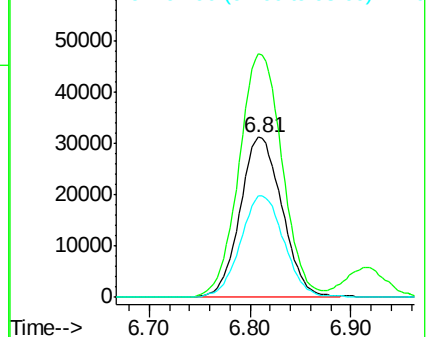
98 65.3 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.661 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

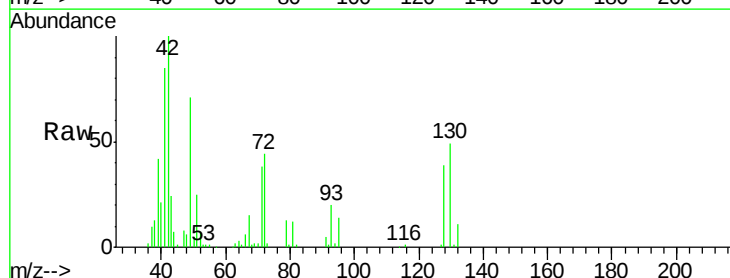
Tgt Ion: 49 Resp: 84849

Ion Ratio Lower Upper

49 100

129 0.7 0.0 1.8

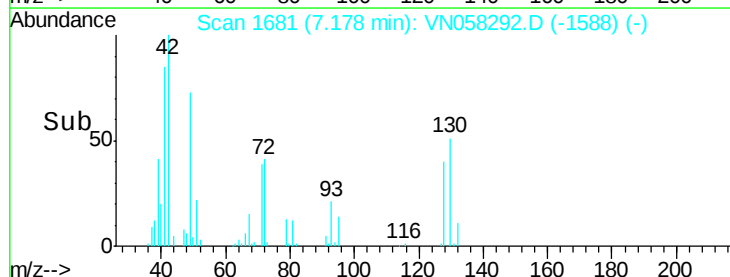
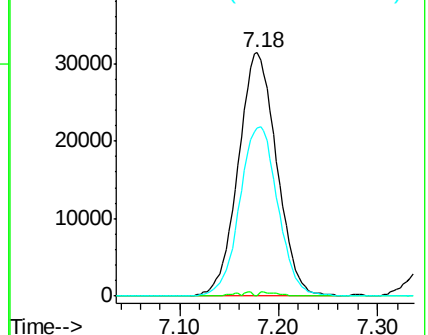
130 69.1 55.4 83.2

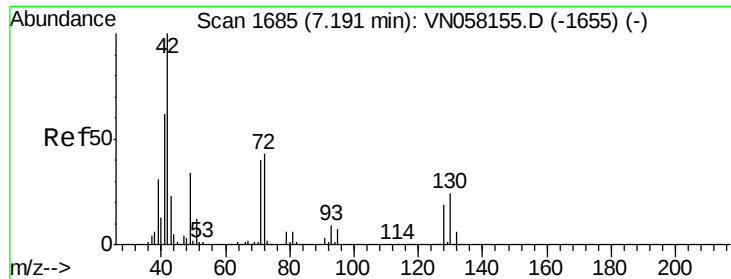


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

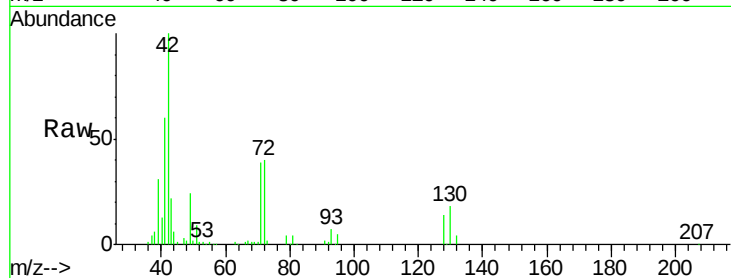




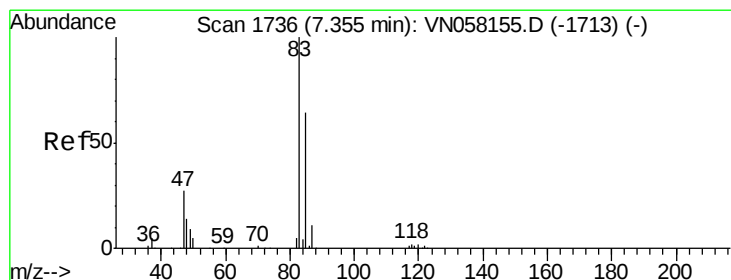
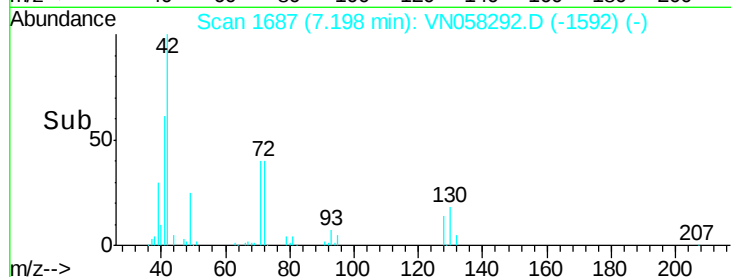
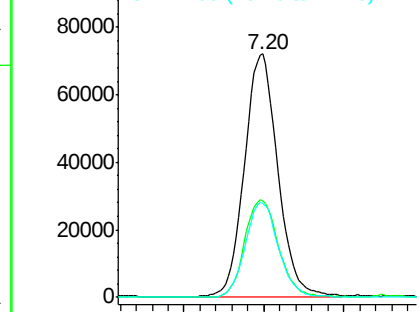
#29
Tetrahydrofuran
Concen: 117.118 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion: 42 Resp: 205068
Ion Ratio Lower Upper
42 100
72 40.2 33.8 50.6
71 38.3 31.4 47.0

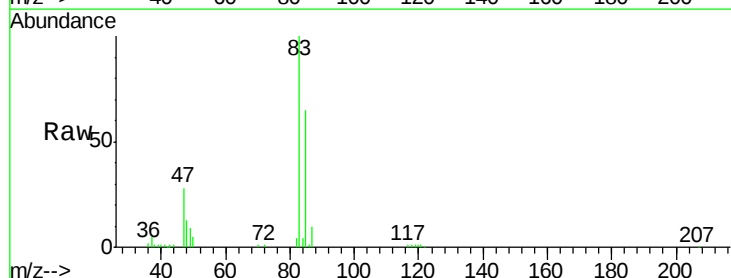


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

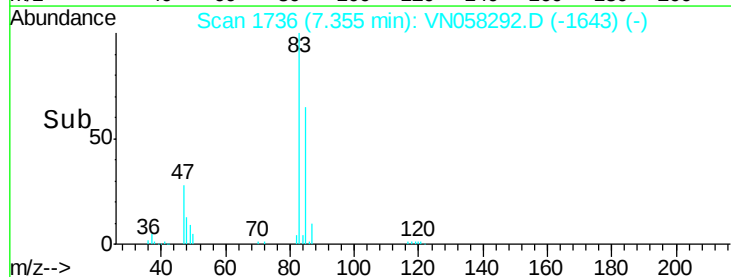
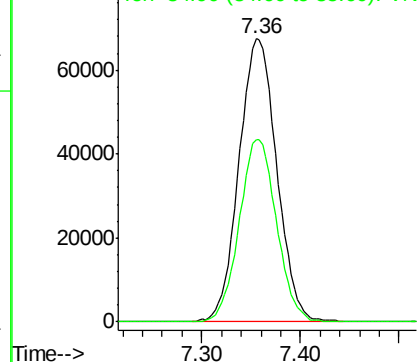


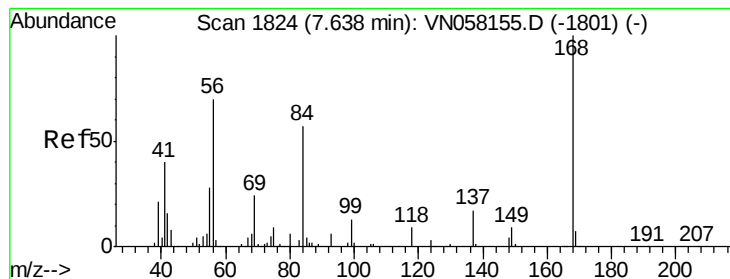
#30
Chloroform
Concen: 21.055 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 83 Resp: 179388
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.2



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





#31

Cyclohexane

Concen: 19.452 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

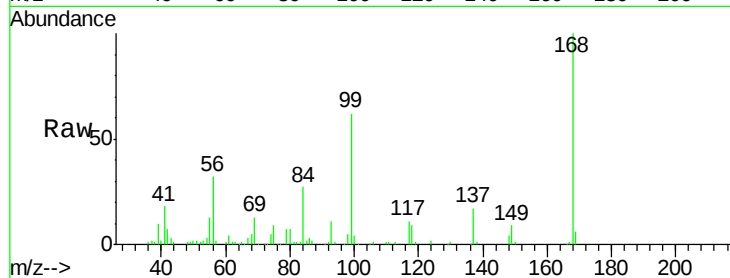
Tot Ion: 56 Resp: 107067

Ion Ratio Lower Upper

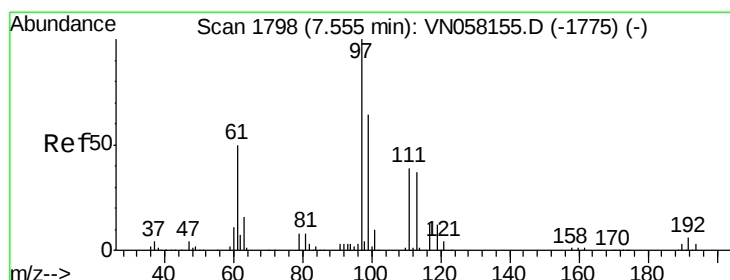
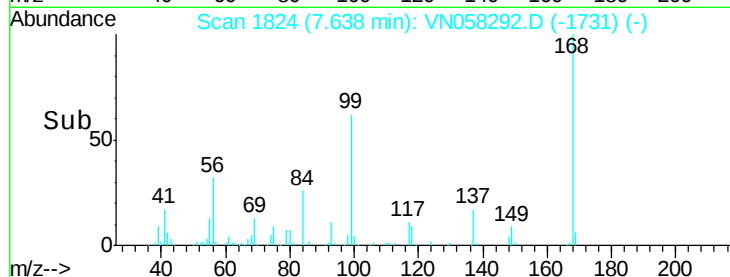
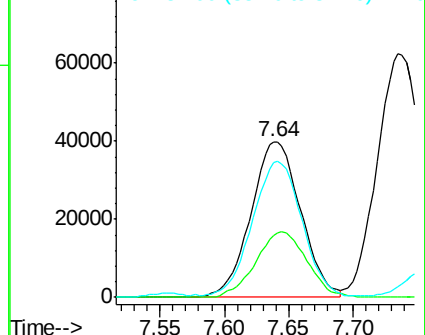
56 100

69 40.0 27.3 40.9

84 84.9 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: 21.016 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

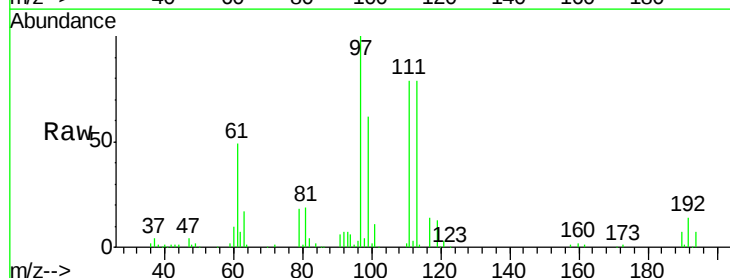
Tgt Ion: 97 Resp: 136309

Ion Ratio Lower Upper

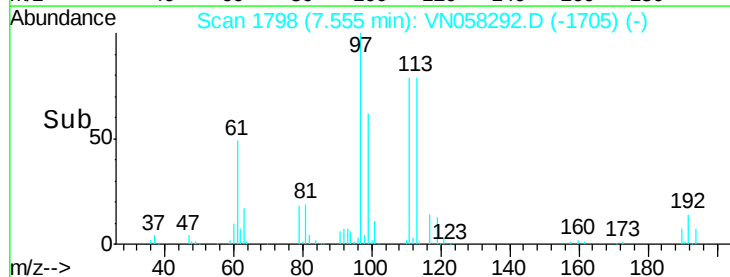
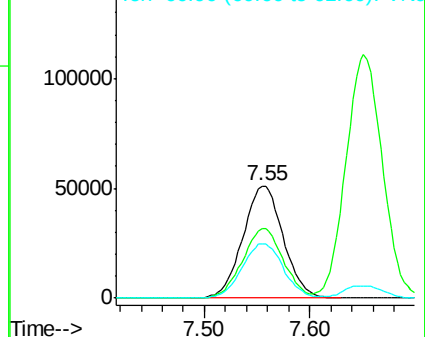
97 100

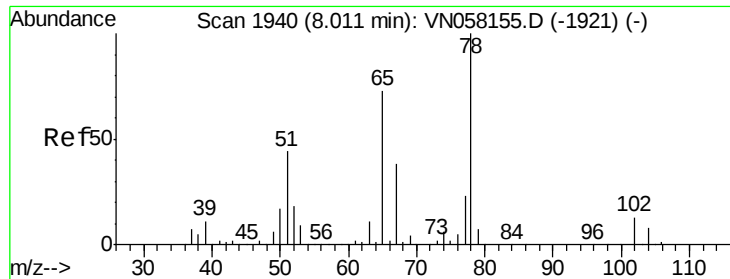
99 62.4 50.9 76.3

61 49.5 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: 54.037 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

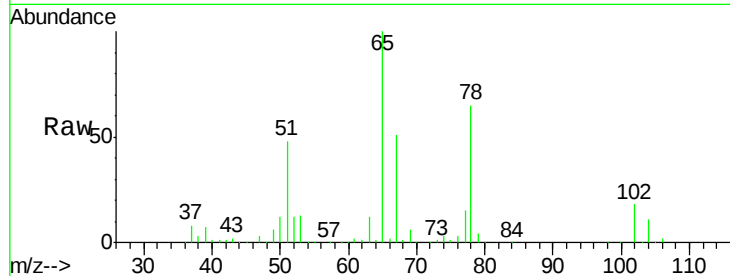
VN0923MBSD01

Tot Ion: 65 Resp: 332156

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

150000

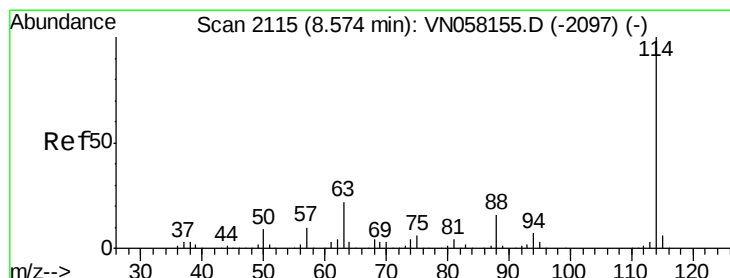
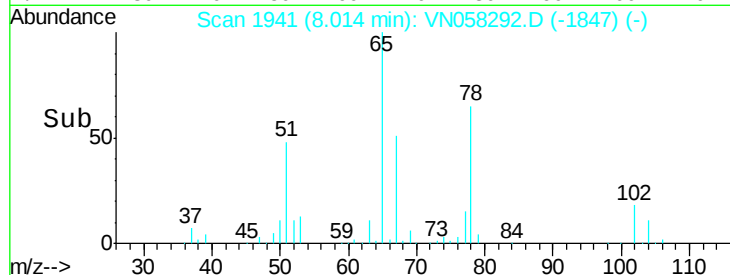
100000

50000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

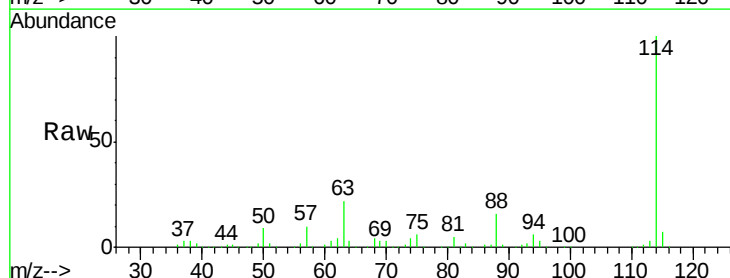
Tgt Ion: 114 Resp: 770212

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 16.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

500000

400000

300000

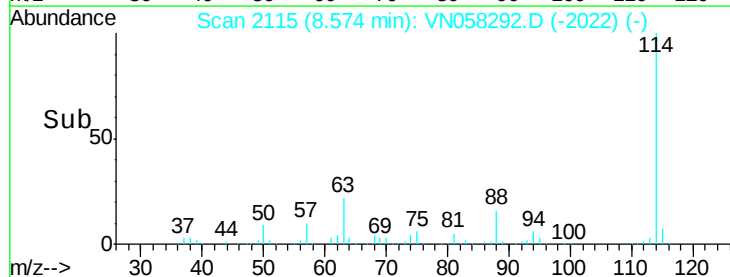
200000

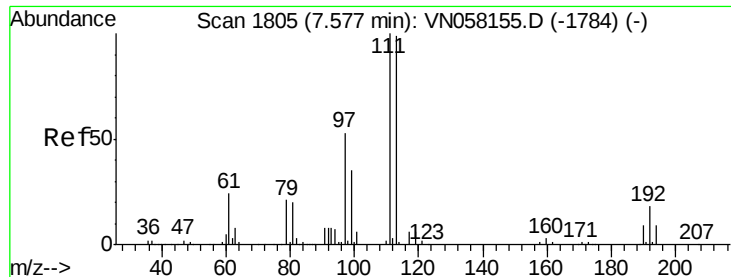
100000

0

Time-->

8.50 8.60 8.70

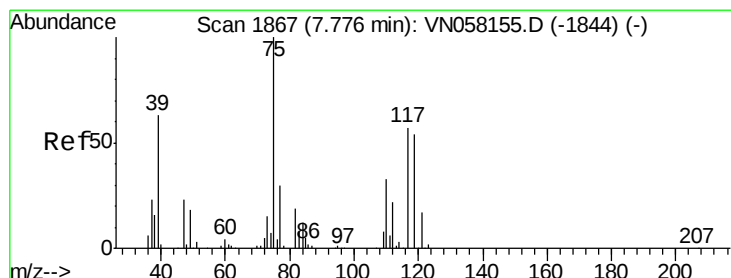
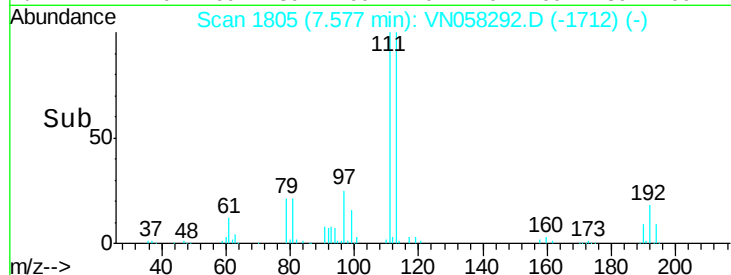
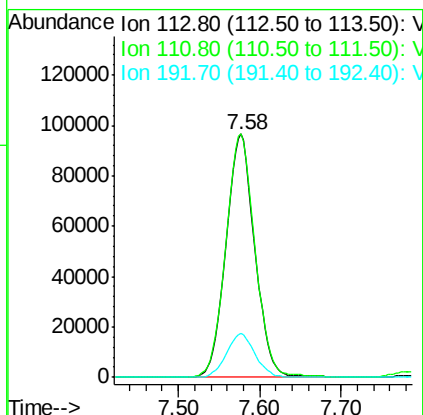
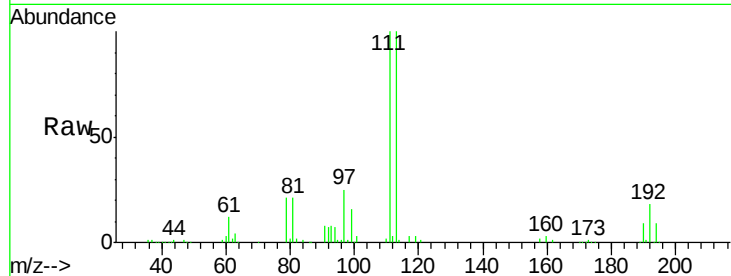




#35
 Dibromofluoromethane
 Concen: 51.015 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

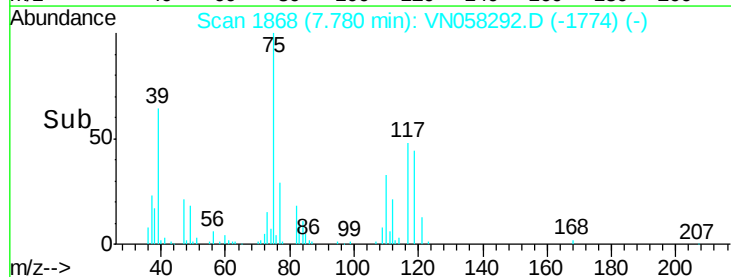
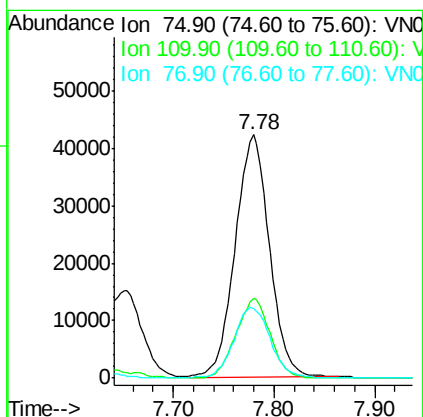
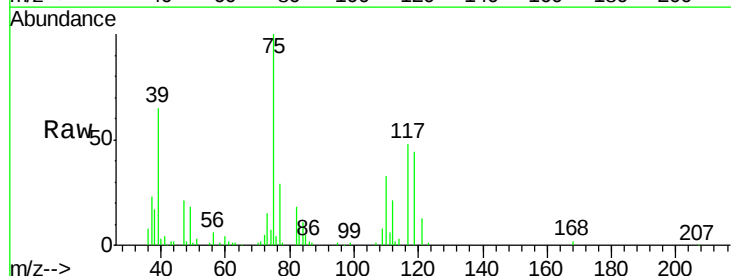
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	17.9	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 17.935 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.6	49.7
77	31.1	24.3	36.5





#37

Ethyl Acetate

Concen: 22.409 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0923MBSD01

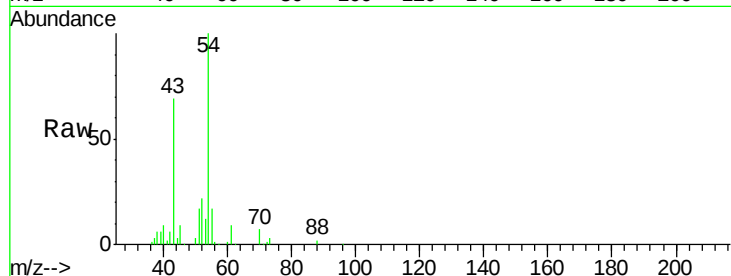
Tot Ion: 43 Resp: 129169

Ion Ratio Lower Upper

43 100

61 13.4 10.7 16.1

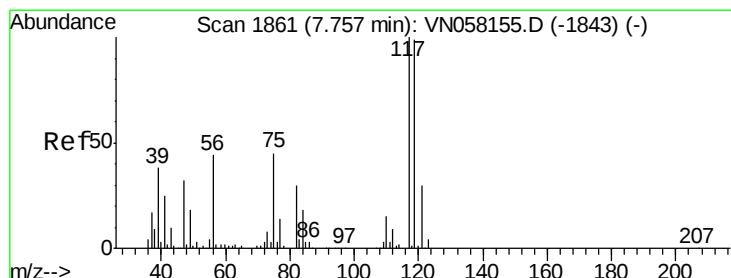
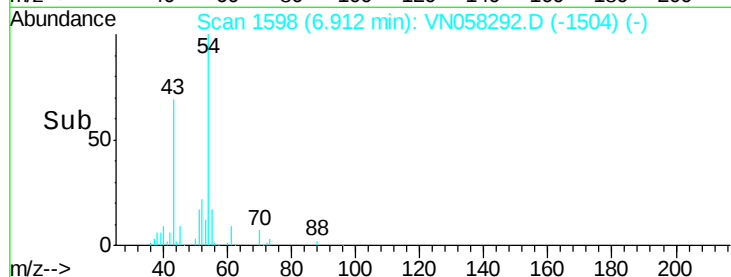
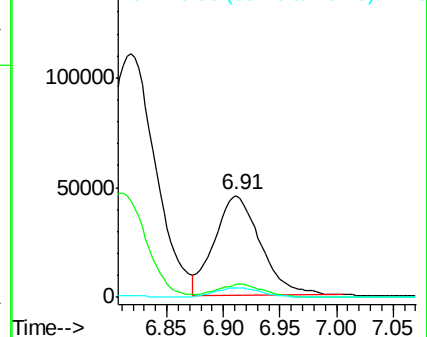
70 9.7 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1585) (-)

Ion 60.90 (60.60 to 61.60): VN058155.D (-1585) (-)

Ion 70.00 (69.70 to 70.70): VN058155.D (-1585) (-)



#38

Carbon Tetrachloride

Concen: 18.689 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

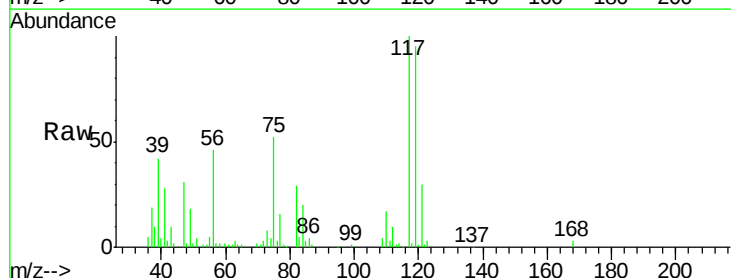
Tgt Ion: 117 Resp: 104348

Ion Ratio Lower Upper

117 100

119 95.1 78.6 117.8

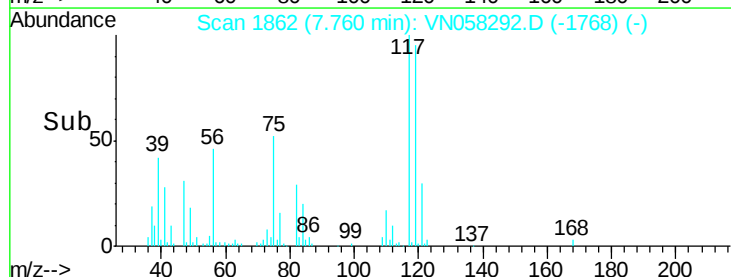
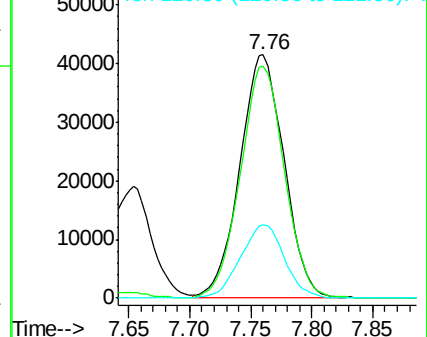
121 30.4 24.1 36.1



Abundance Ion 116.80 (116.50 to 117.50): VN058155.D (-1843) (-)

Ion 118.80 (118.50 to 119.50): VN058155.D (-1843) (-)

Ion 120.80 (120.50 to 121.50): VN058155.D (-1843) (-)

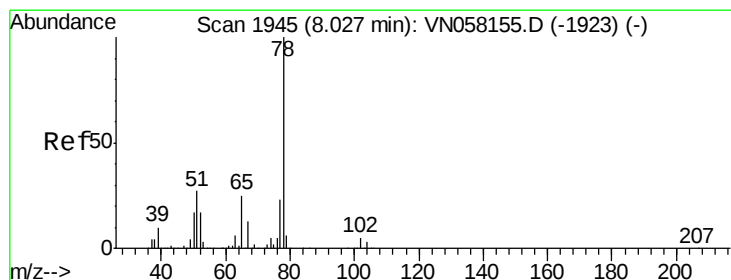
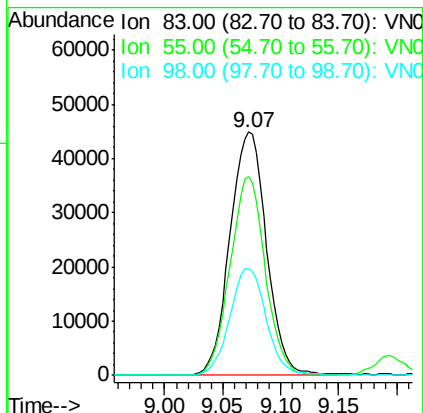
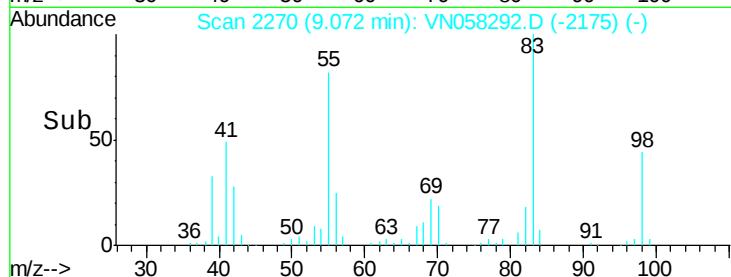
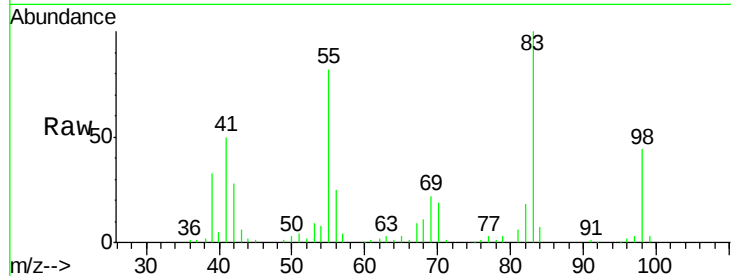




#39
Methvlcvclohexane
Concen: 18.389 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

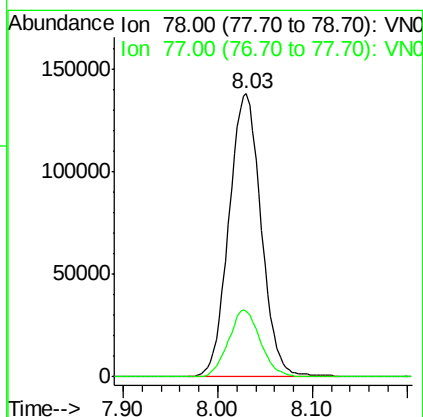
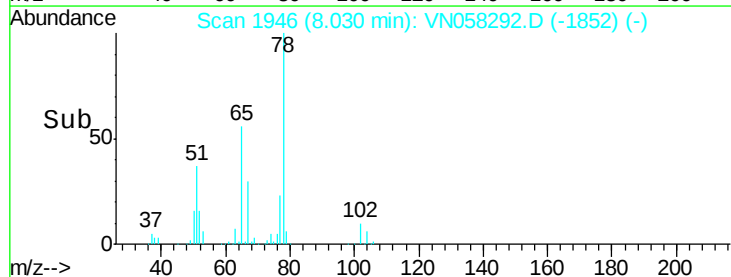
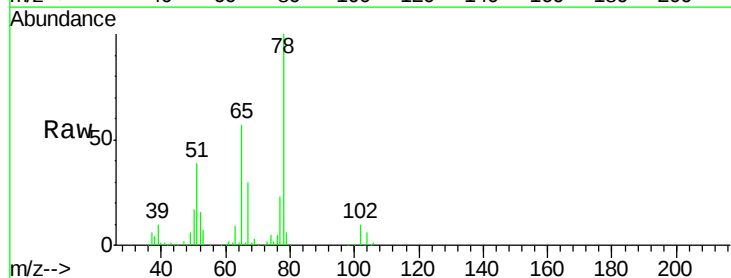
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

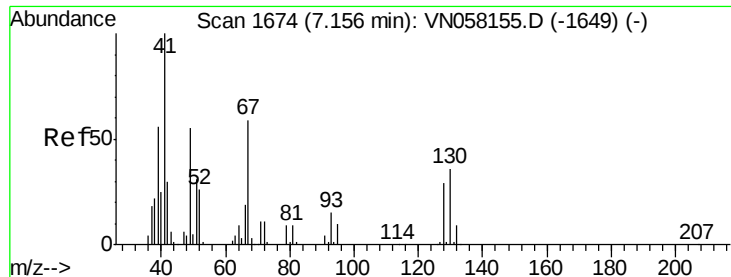
Tot Ion: 83 Resp: 98513
Ion Ratio Lower Upper
83 100
55 81.7 61.9 92.9
98 43.9 35.4 53.2



#40
Benzene
Concen: 19.321 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 78 Resp: 327778
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2





#41

Methacrylonitrile

Concen: 22.423 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0923MBSD01

Tot Ion: 41 Resp: 63627

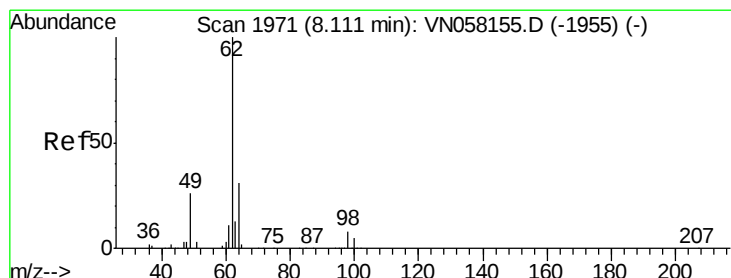
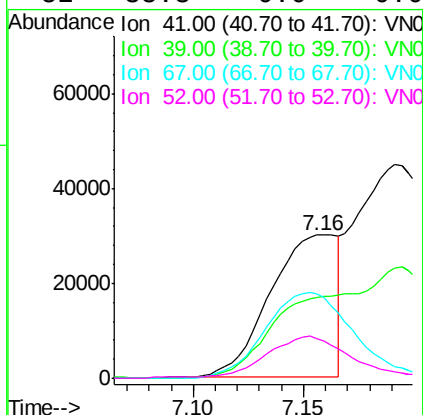
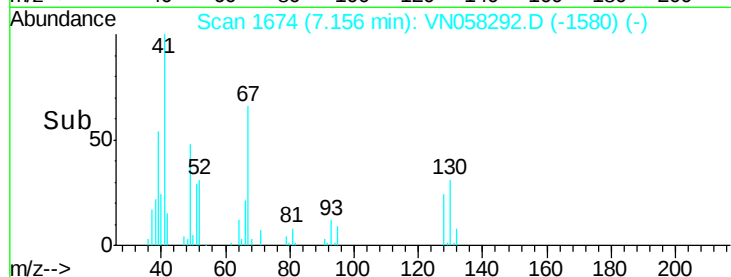
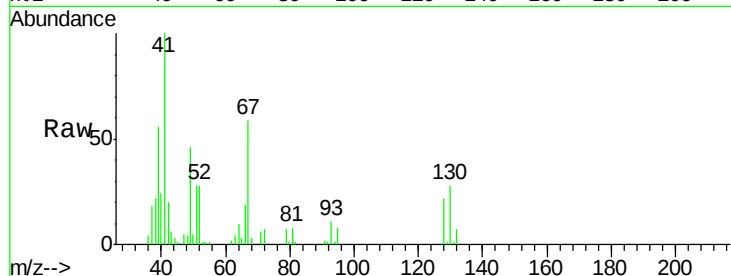
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 79.3 0.0 0.0#

52 38.3 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 19.598 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN058292.D

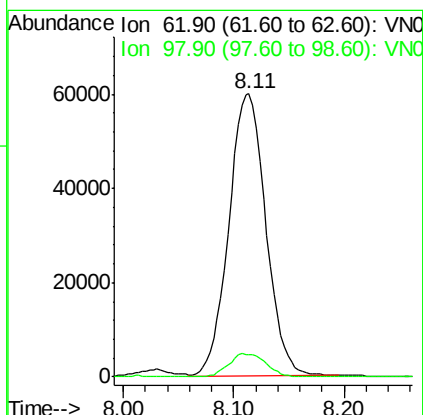
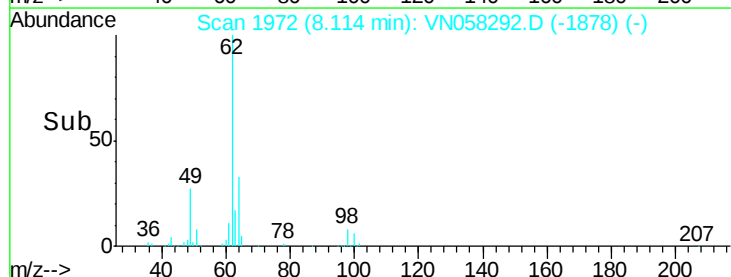
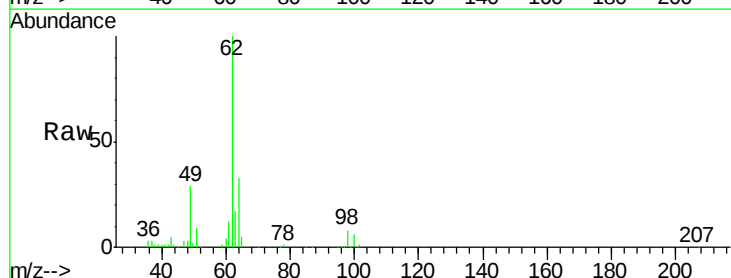
Acq: 23 Sep 2019 15:07

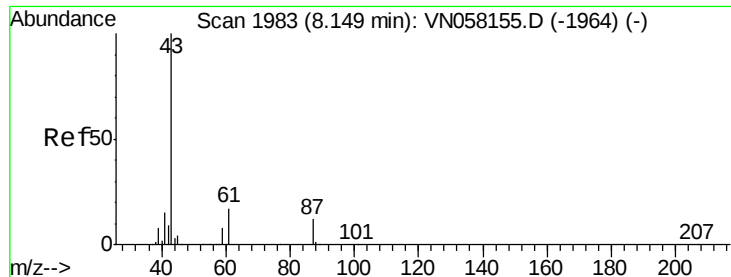
Tgt Ion: 62 Resp: 139512

Ion Ratio Lower Upper

62 100

98 8.2 0.0 15.6



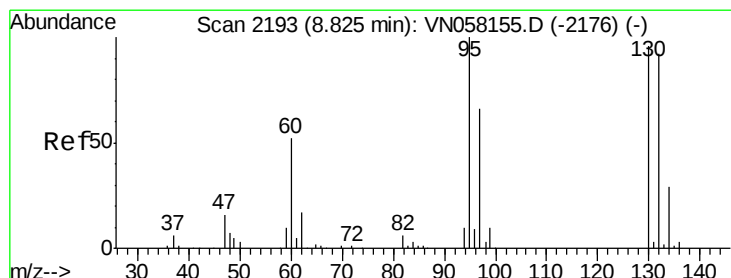
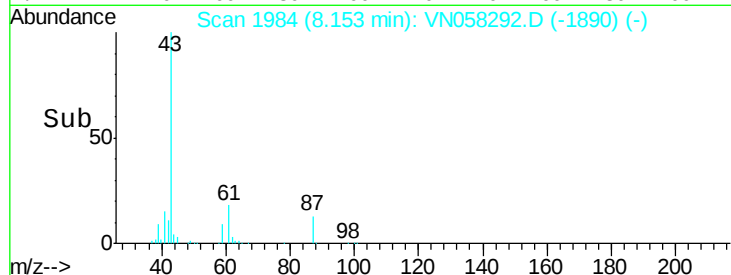
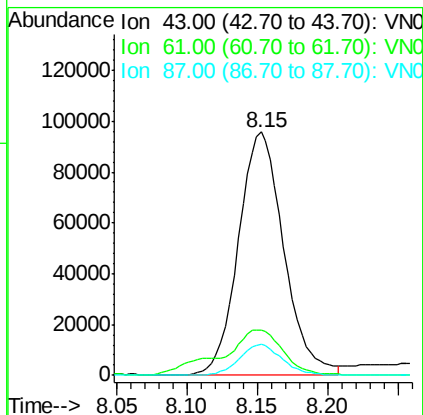
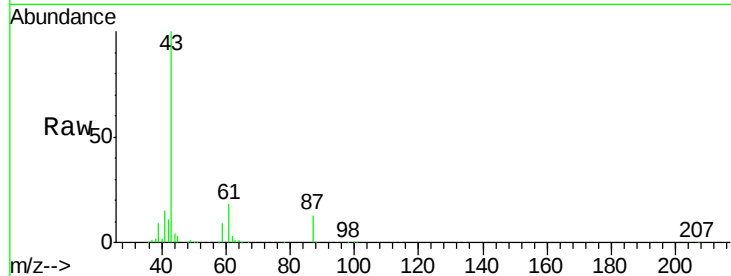


#43

Isopropyl Acetate
 Concen: 19.852 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

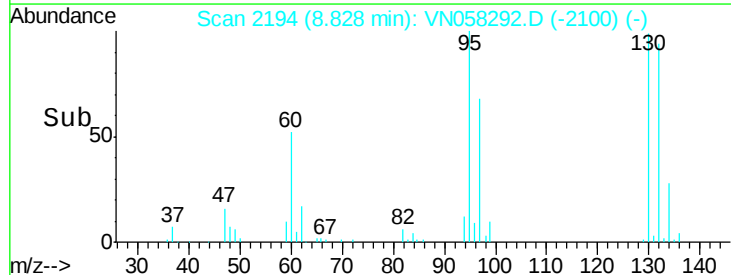
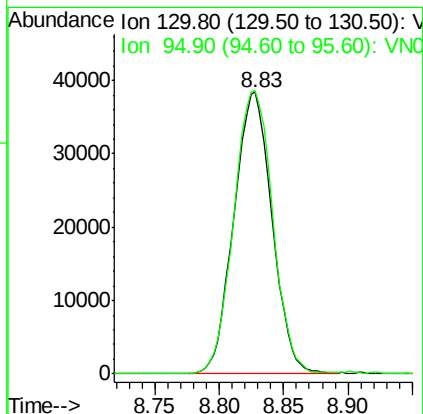
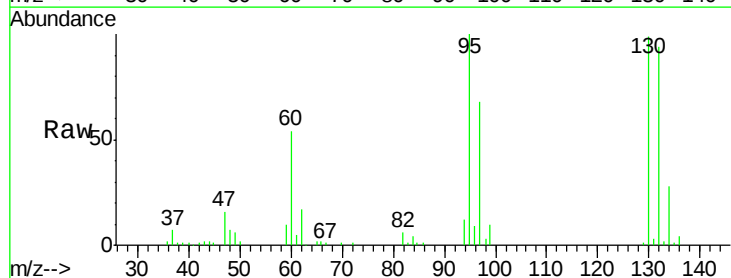
Tot Ion: 43 Resp: 213713
 Ion Ratio Lower Upper
 43 100
 61 18.5 19.7 29.5#
 87 12.1 9.4 14.2

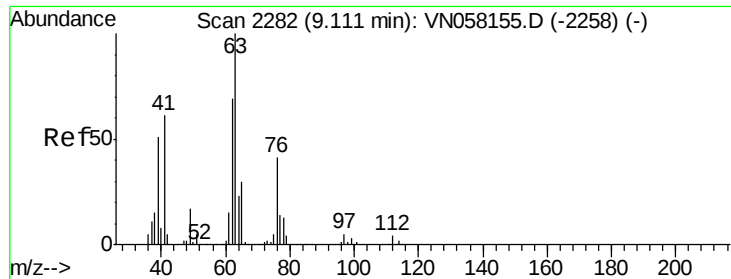


#44

Trichloroethene
 Concen: 19.078 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion: 130 Resp: 79201
 Ion Ratio Lower Upper
 130 100
 95 100.6 0.0 207.8

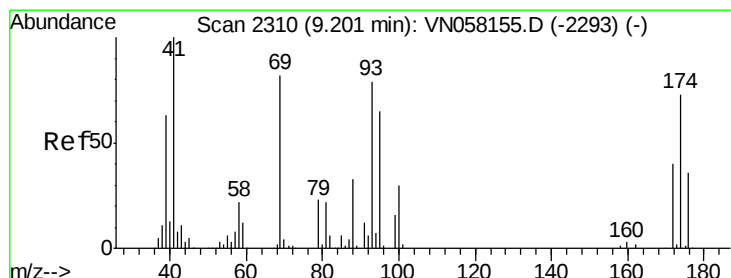
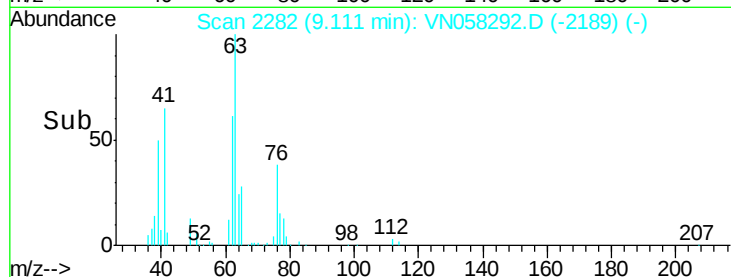
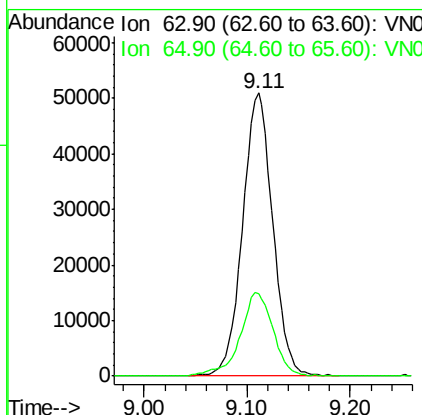
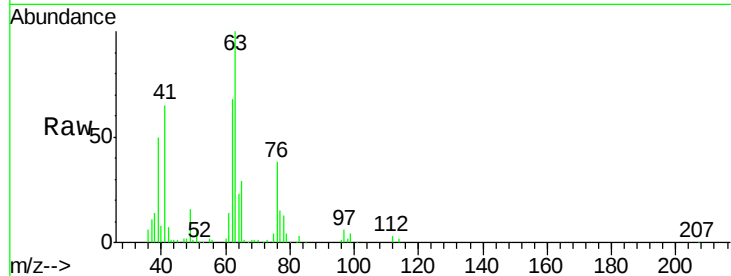




#45
 1,2-Dichloropropane
 Concen: 20.401 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

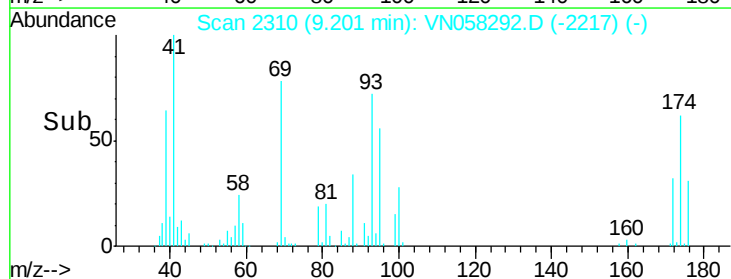
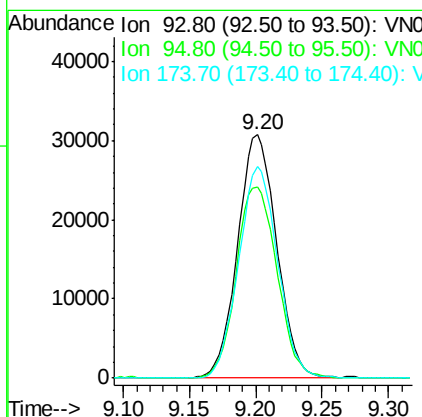
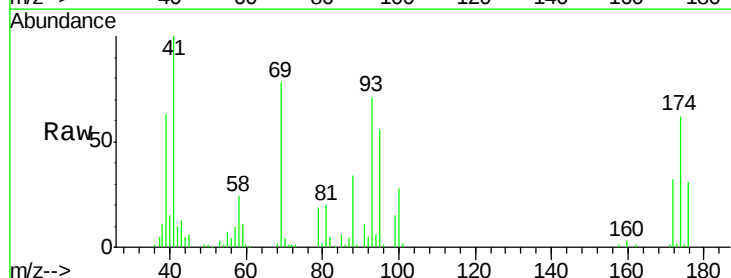
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Tot Ion: 63 Resp: 103359
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.8 35.6



#46
 Dibromomethane
 Concen: 20.461 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion: 93 Resp: 63024
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.8 100.2
 174 86.9 73.8 110.8





#47

Bromodichloromethane

Concen: 20.000 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

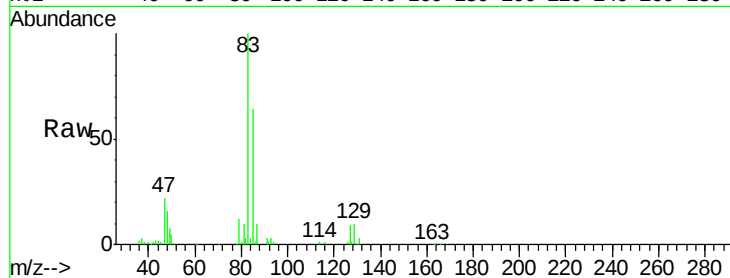
Tot Ion: 83 Resp: 129062

Ion Ratio Lower Upper

83 100

85 63.6 50.1 75.1

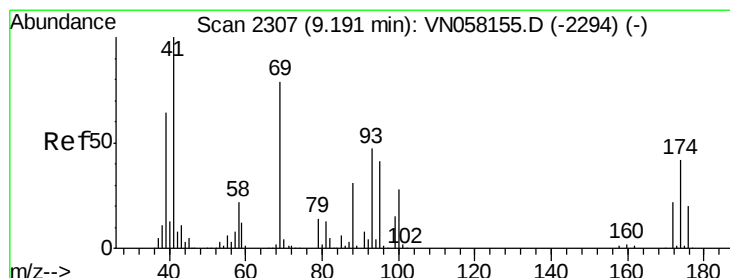
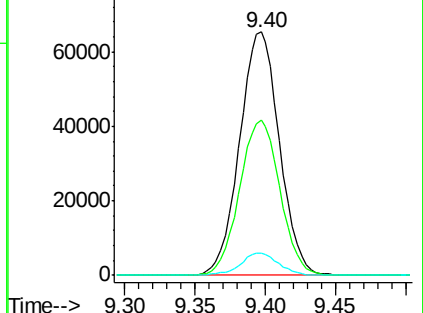
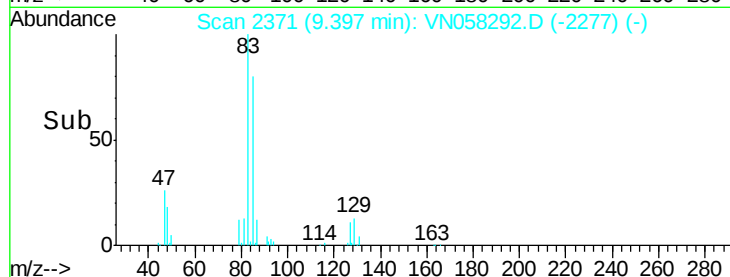
127 8.9 6.4 9.6



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: 21.048 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

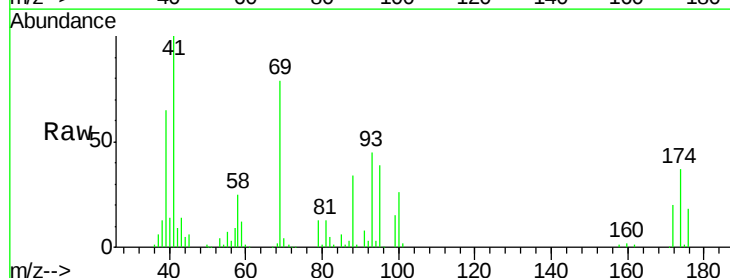
Tgt Ion: 41 Resp: 102880

Ion Ratio Lower Upper

41 100

69 79.5 62.5 93.7

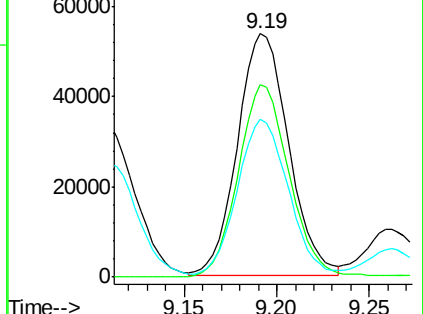
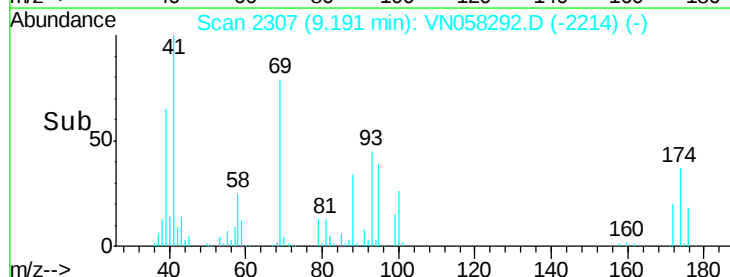
39 65.0 52.3 78.5

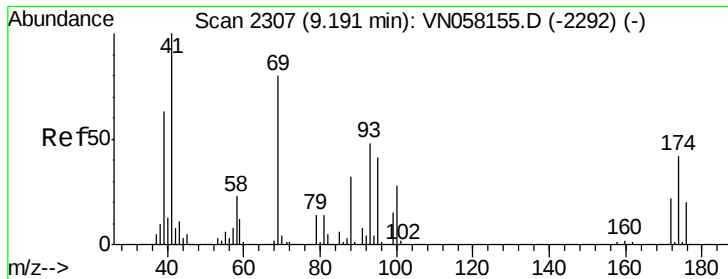


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 473.981 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

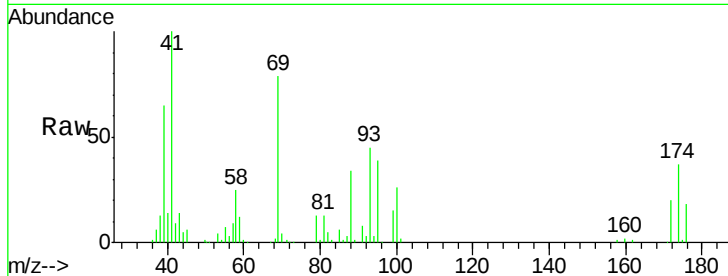
Tot Ion: 88 Resp: 38037

Ion Ratio Lower Upper

88 100

43 38.4 27.8 41.8

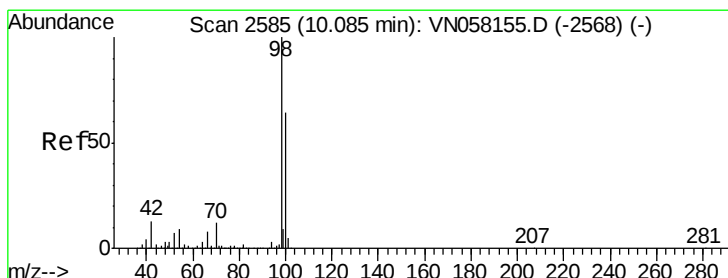
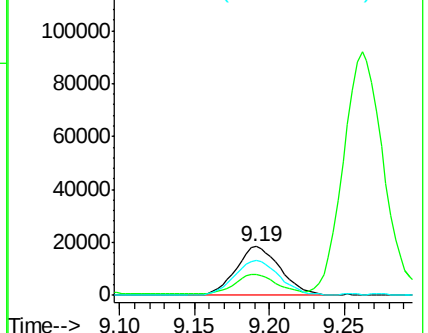
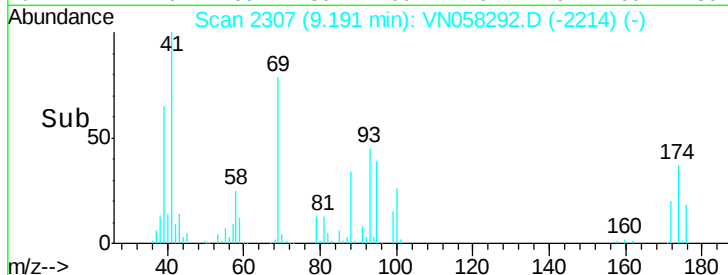
58 72.7 55.0 82.4



Abundance Ion 88.00 (87.70 to 88.70): VN058292.D (-2214) (-)

Ion 43.00 (42.70 to 43.70): VN058292.D (-2214) (-)

Ion 58.00 (57.70 to 58.70): VN058292.D (-2214) (-)



#50

Toluene-d8

Concen: 50.369 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058292.D

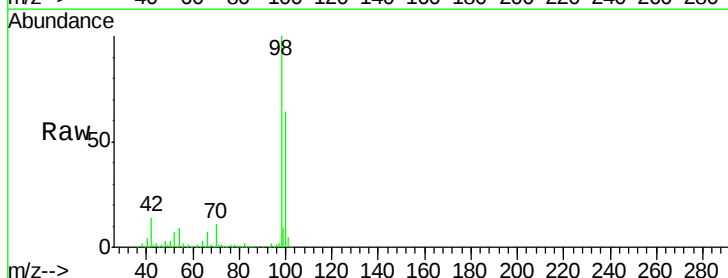
Acq: 23 Sep 2019 15:07

Tgt Ion: 98 Resp: 918878

Ion Ratio Lower Upper

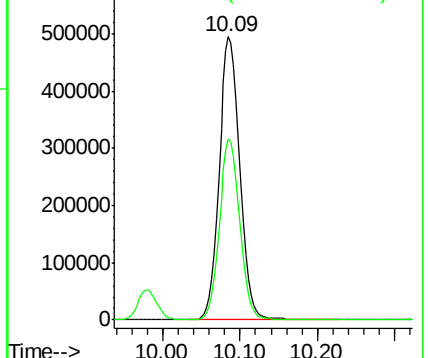
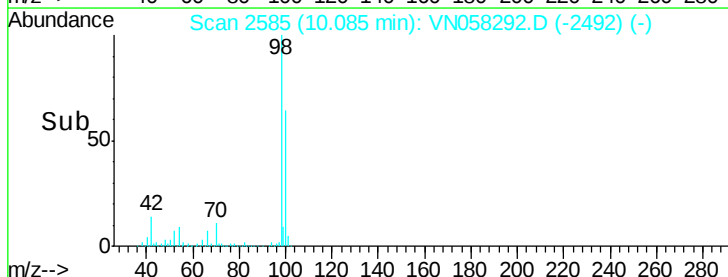
98 100

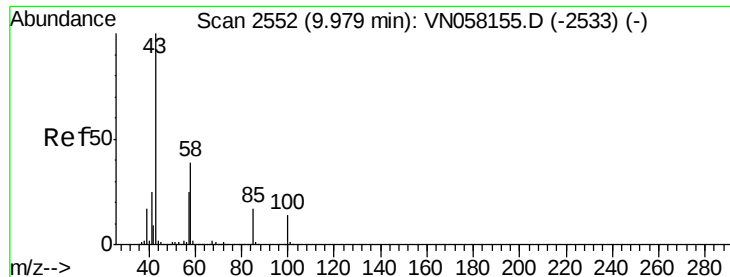
100 63.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058292.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058292.D (-2492) (-)





#51

4-Methyl-2-Pentanone

Concen: 122.950 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleID :

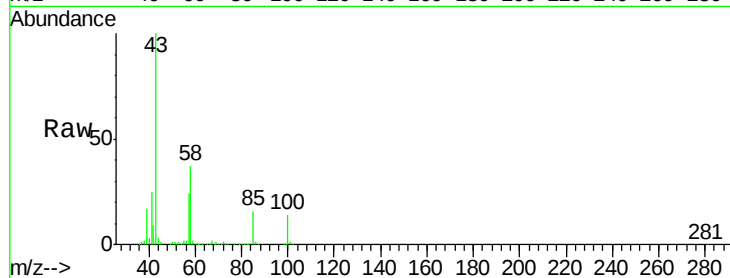
VN0923MBSD01

Tot Ion: 43 Resp: 703032

Ion Ratio Lower Upper

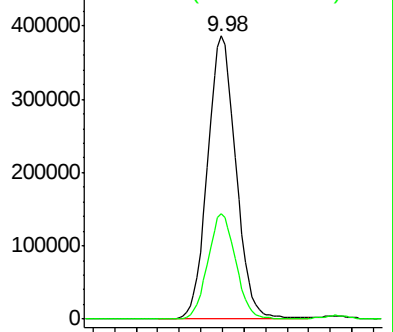
43 100

58 36.8 30.2 45.4

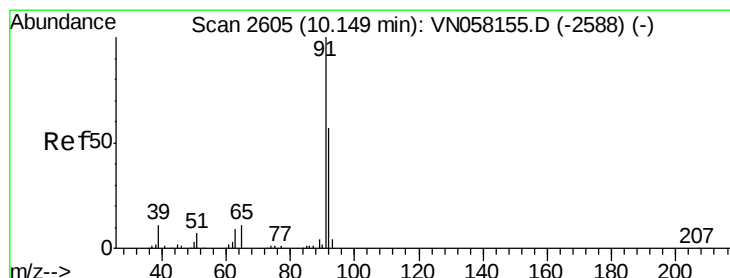
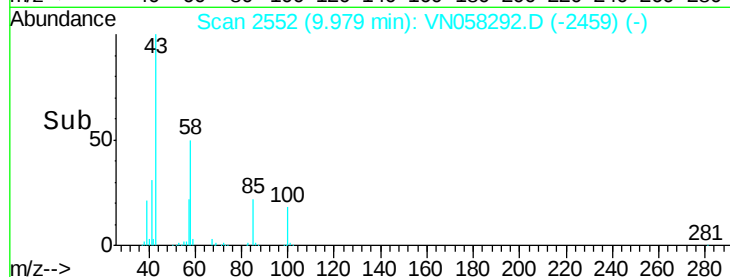


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 19.219 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058292.D

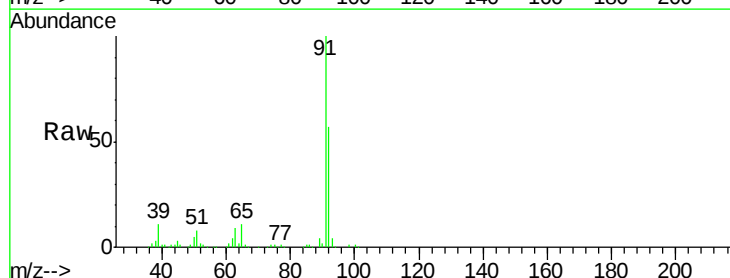
Acq: 23 Sep 2019 15:07

Tgt Ion: 92 Resp: 204341

Ion Ratio Lower Upper

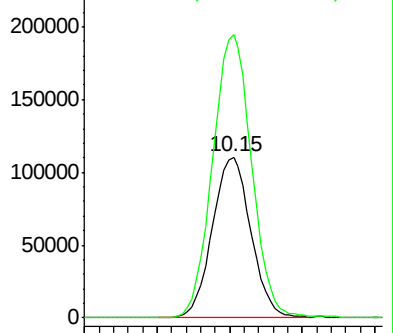
92 100

91 179.4 140.2 210.2

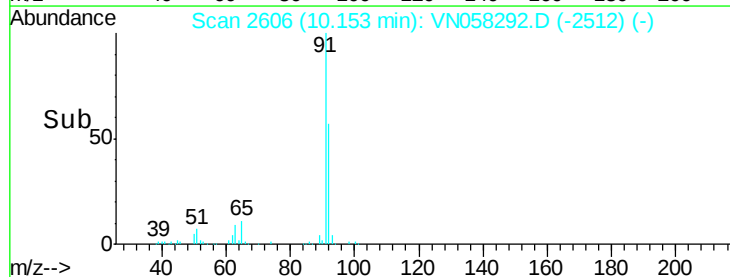


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 19.012 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

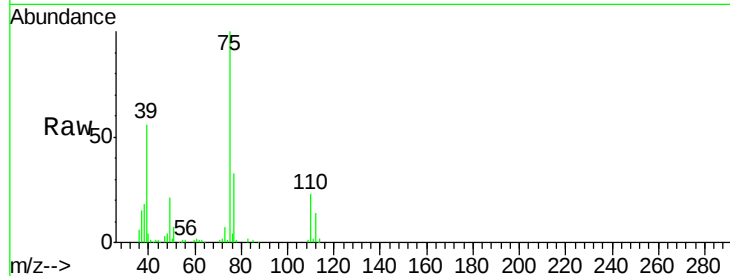
VN0923MBSD01

Tot Ion: 75 Resp: 125676

Ion Ratio Lower Upper

75 100

77 32.5 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

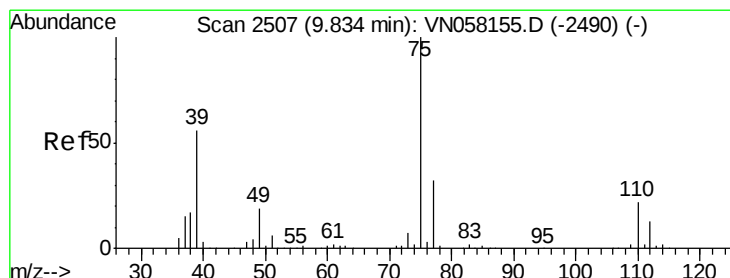
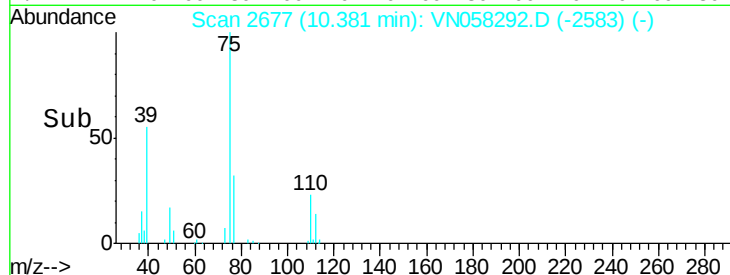
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.713 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

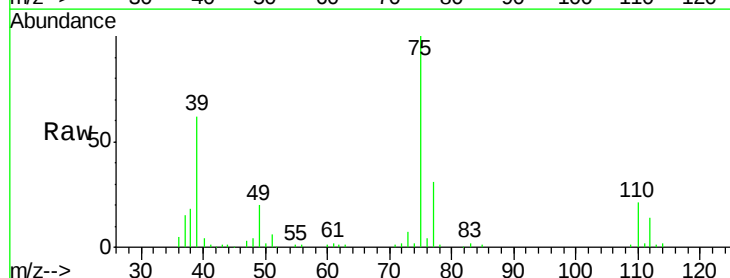
Tgt Ion: 75 Resp: 136568

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 61.2 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

100000

80000

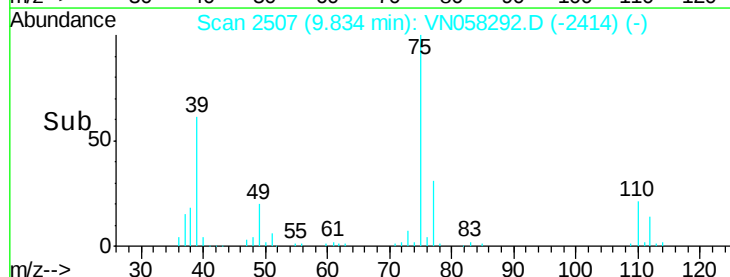
60000

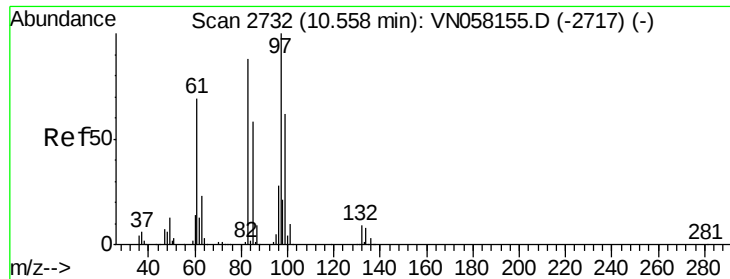
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.022 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

Tot Ion: 97 Resp: 99188

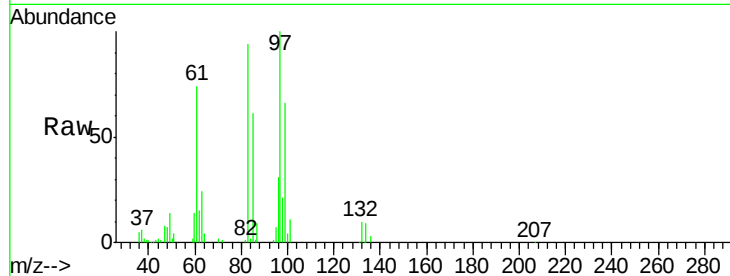
Ion Ratio Lower Upper

97 100

83 94.3 70.4 105.6

85 61.3 46.8 70.2

99 65.7 49.9 74.9

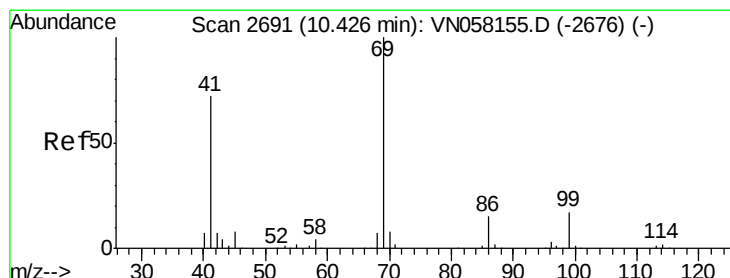
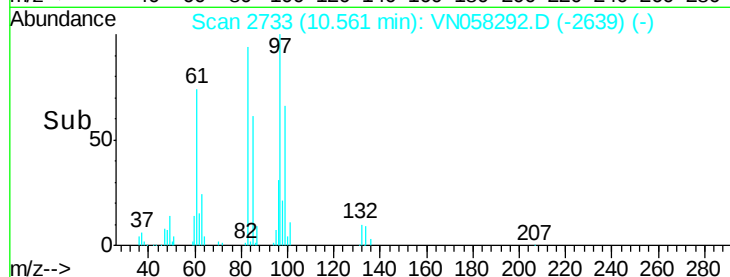
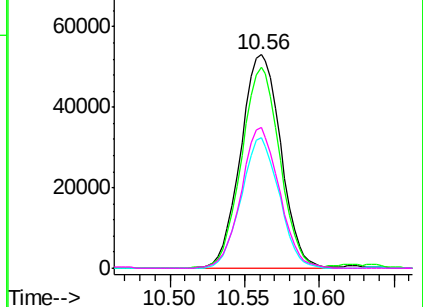


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.904 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

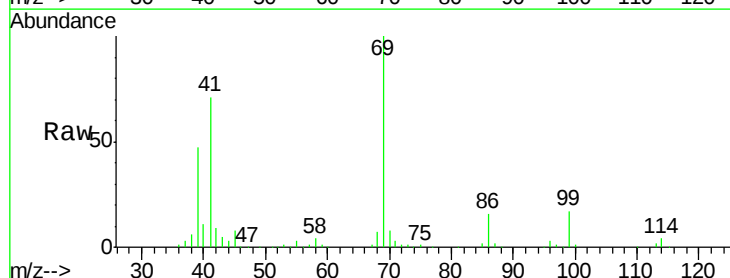
Tgt Ion: 69 Resp: 142309

Ion Ratio Lower Upper

69 100

41 70.1 57.5 86.3

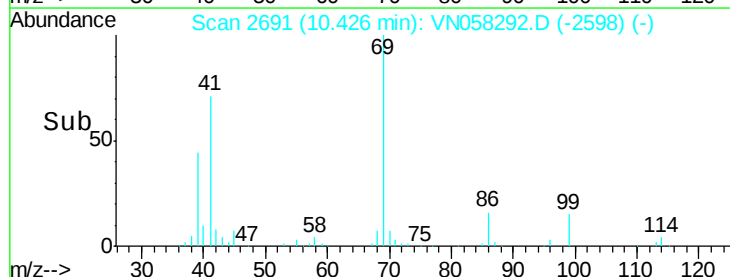
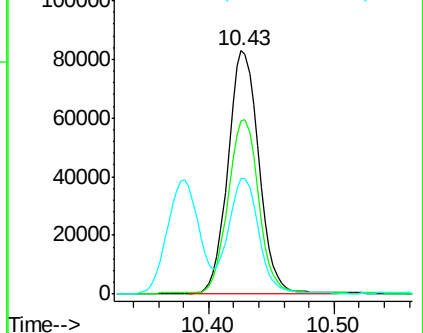
39 46.1 36.1 54.1

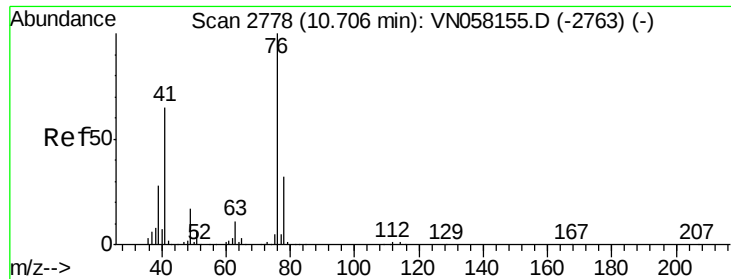


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.409 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

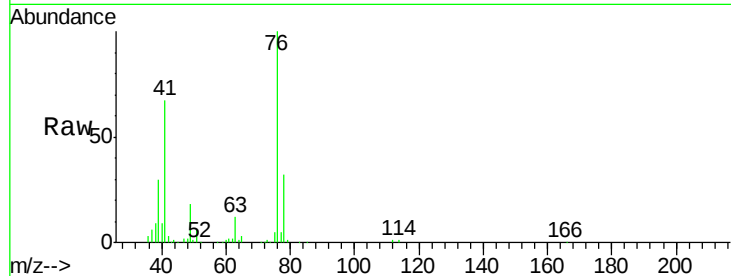
VN0923MBSD01

Tot Ion: 76 Resp: 165542

Ion Ratio Lower Upper

76 100

78 32.0 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

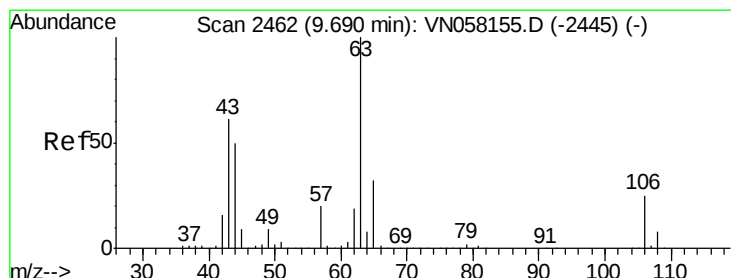
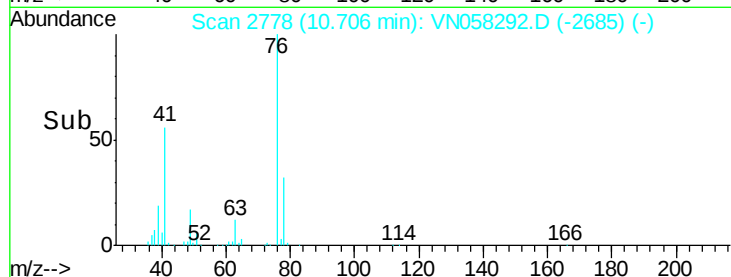
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 110.475 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058292.D

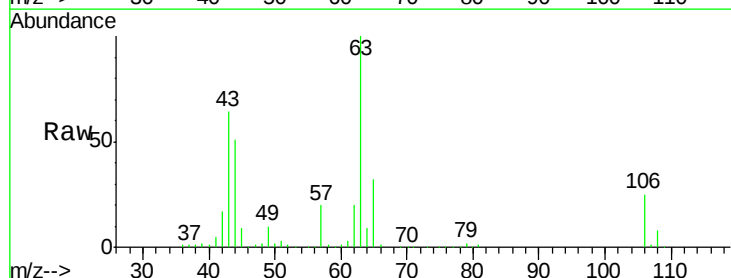
Acq: 23 Sep 2019 15:07

Tgt Ion: 63 Resp: 358234

Ion Ratio Lower Upper

63 100

106 25.4 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

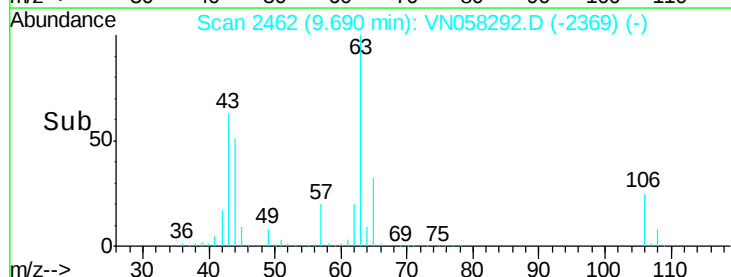
150000

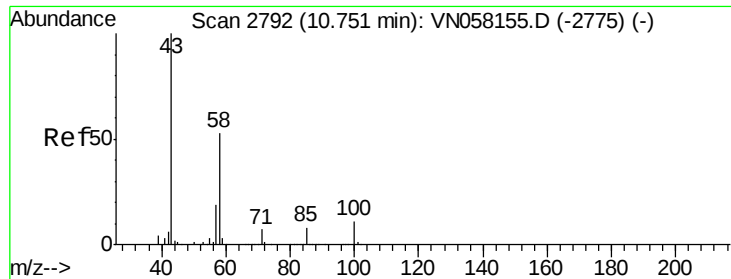
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

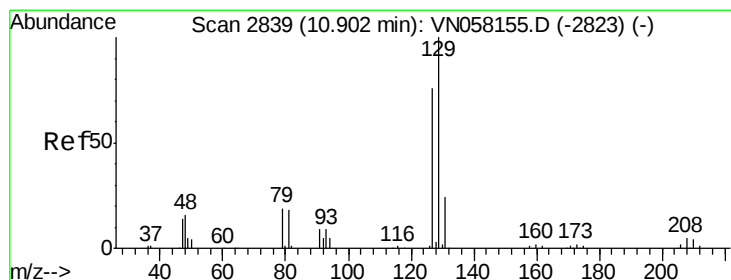
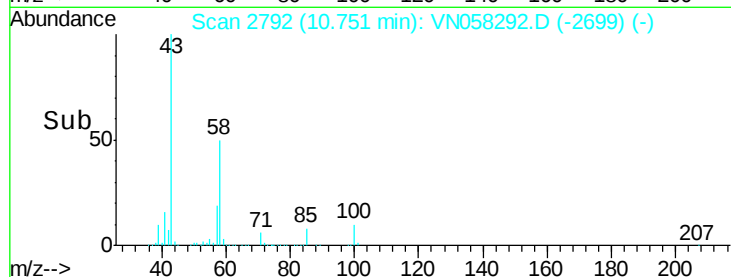
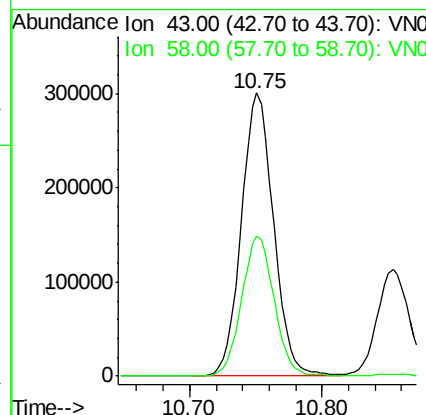
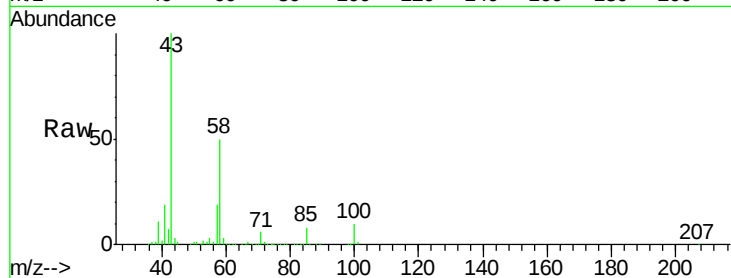




#59
2-Hexanone
Concen: 119.214 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

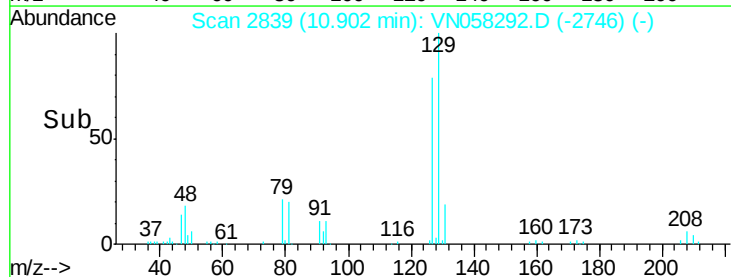
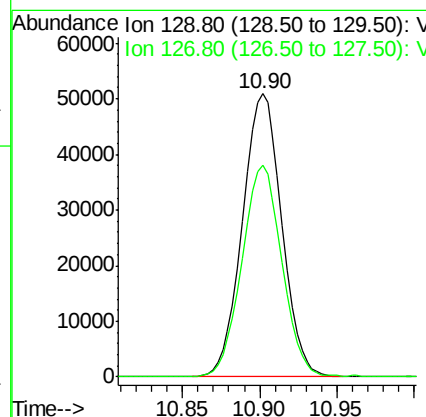
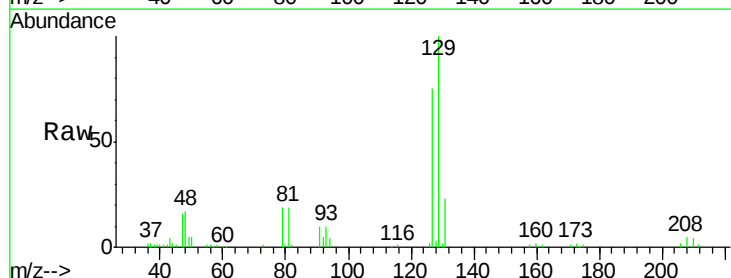
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

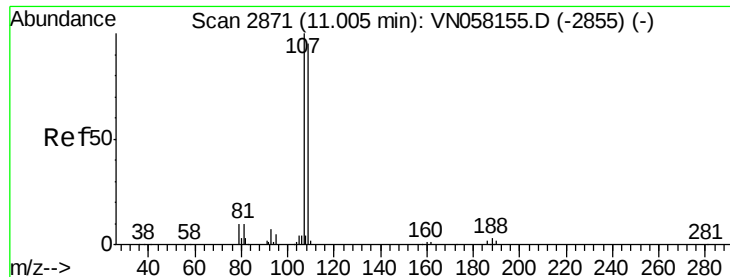
Tot Ion: 43 Resp: 506270
Ion Ratio Lower Upper
43 100
58 50.0 26.0 78.0



#60
Dibromochloromethane
Concen: 19.822 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 129 Resp: 89975
Ion Ratio Lower Upper
129 100
127 75.8 38.7 116.1

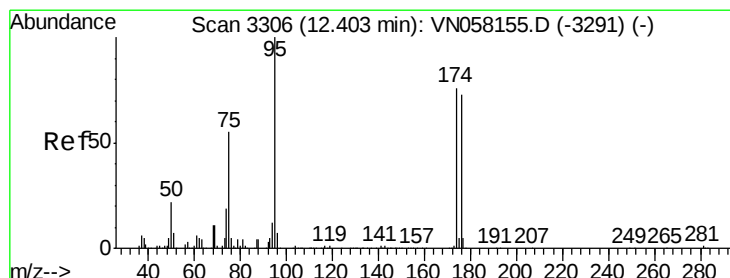
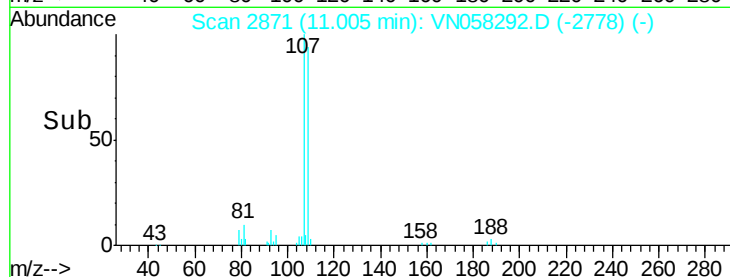
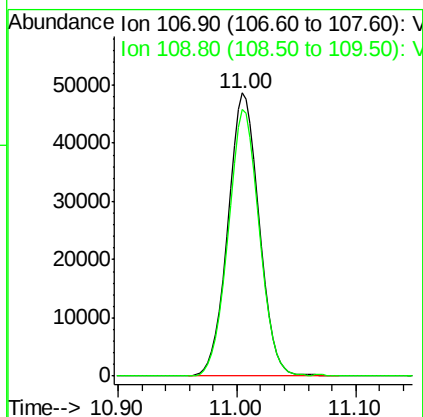
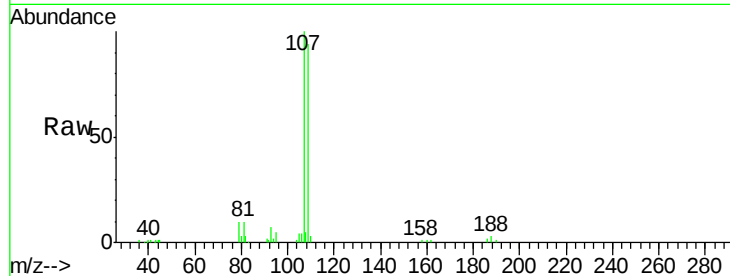




#61
 1,2-Dibromoethane
 Concen: 20.184 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

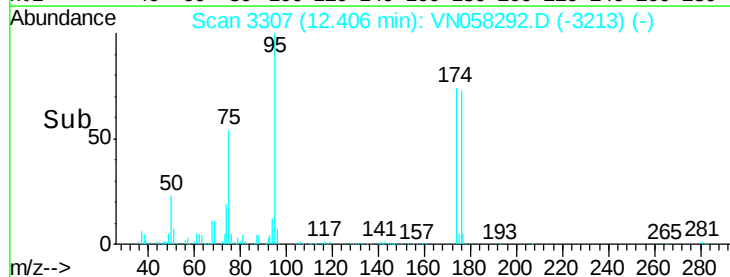
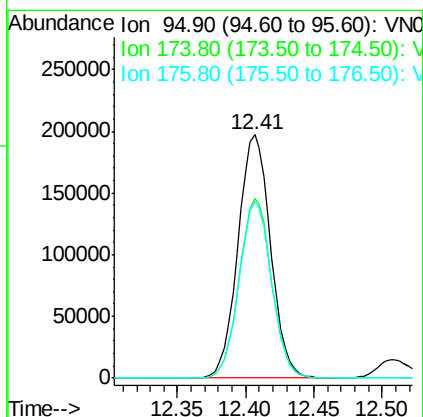
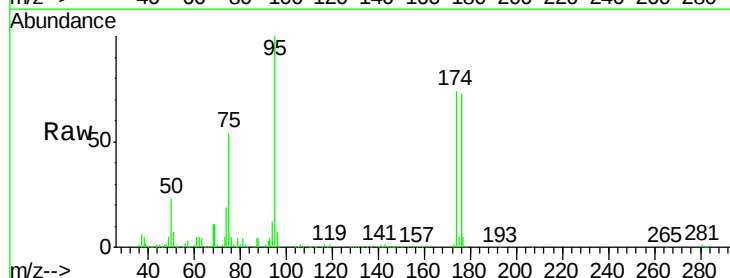
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

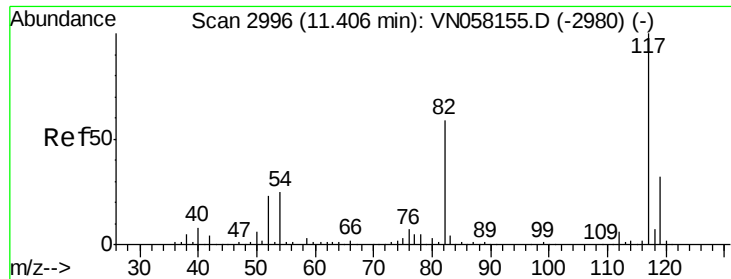
Tot Ion: 107 Resp: 88255
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.134 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion: 95 Resp: 326186
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 152.2
 176 72.6 0.0 148.0

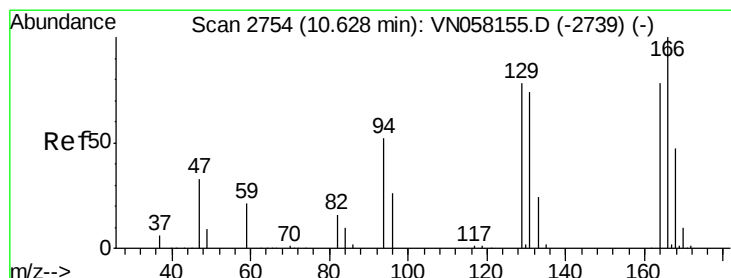
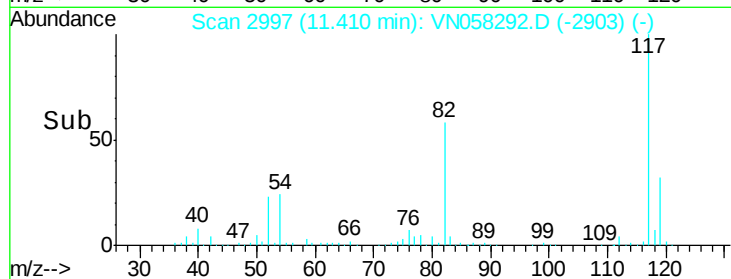
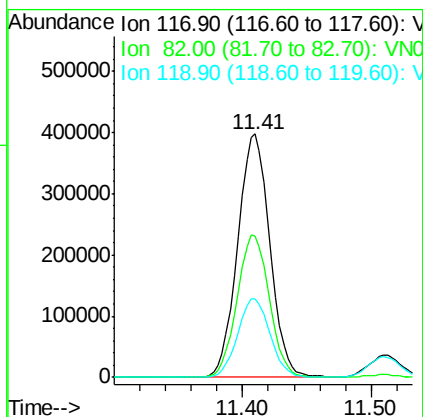
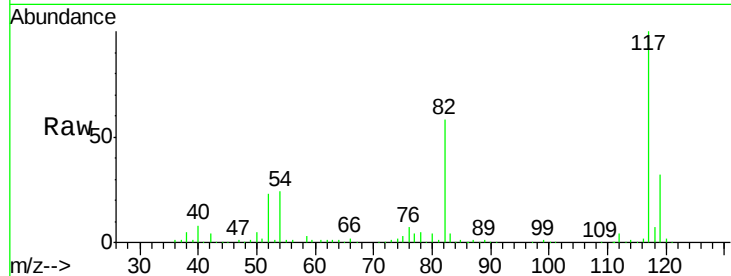




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

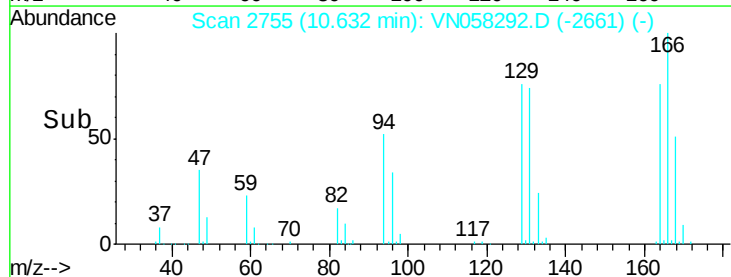
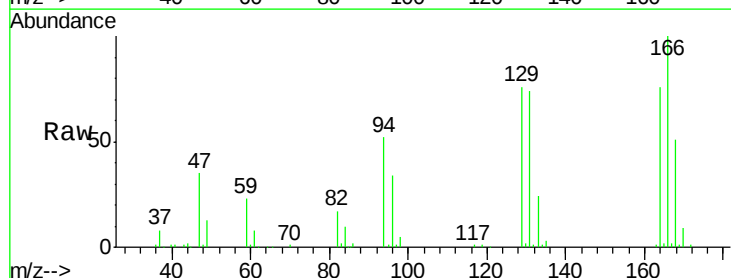
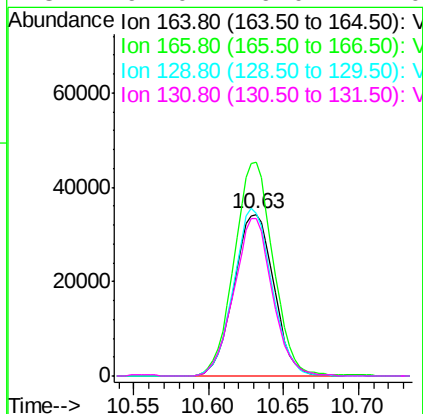
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

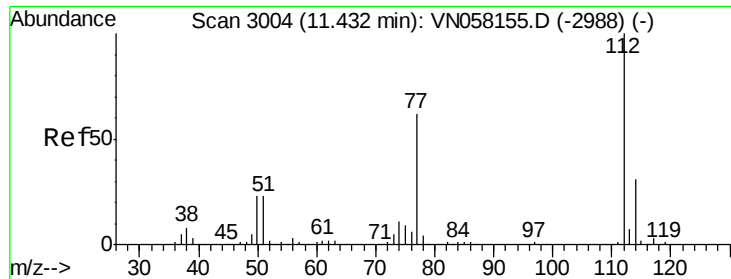
Tot Ion:117 Resp: 689161
Ion Ratio Lower Upper
117 100
82 58.2 46.9 70.3
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 18.953 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion:164 Resp: 63671
Ion Ratio Lower Upper
164 100
166 132.0 102.2 153.4
129 100.6 79.6 119.4
131 97.0 76.0 114.0

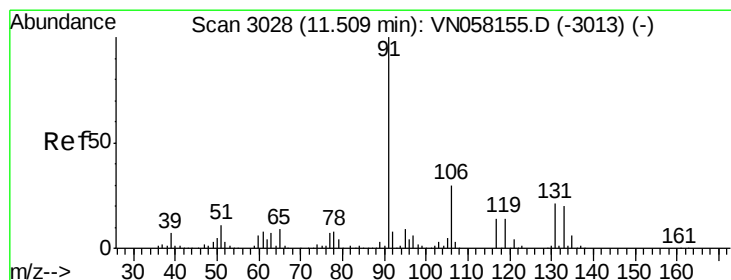
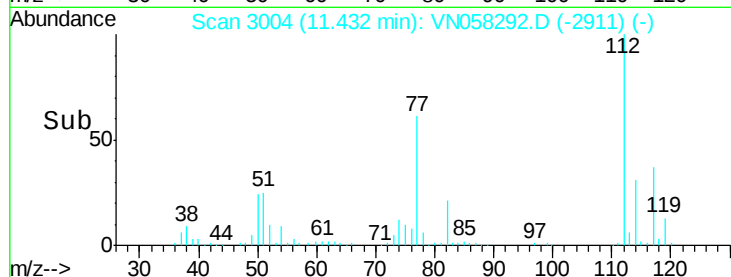
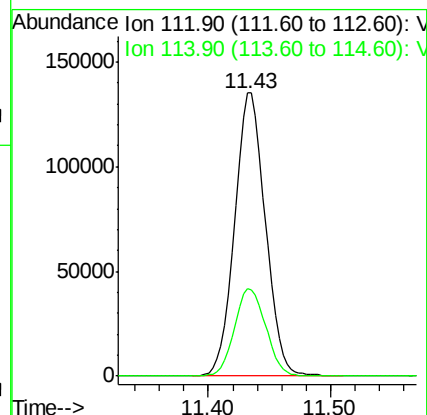
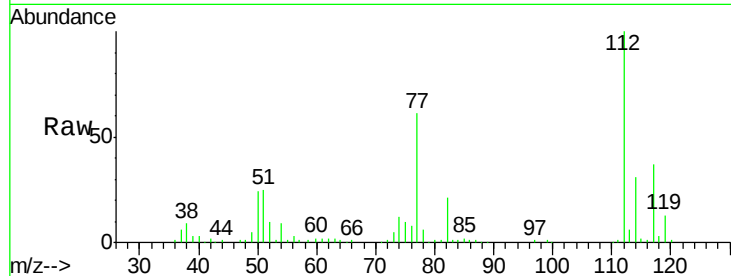




#65
Chlorobenzene
Concen: 19.519 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

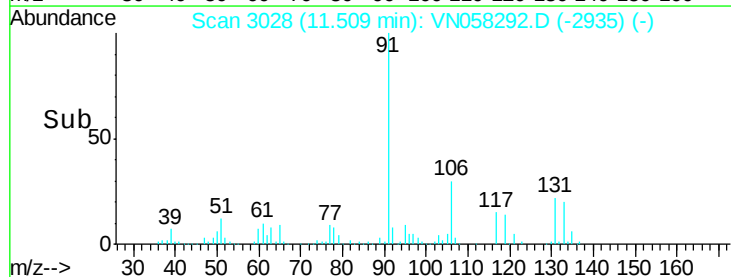
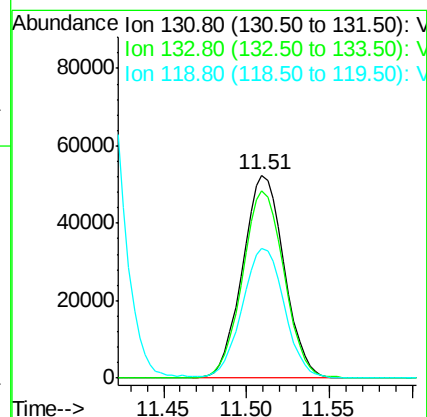
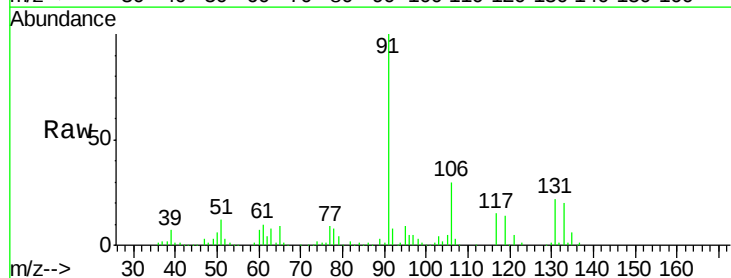
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

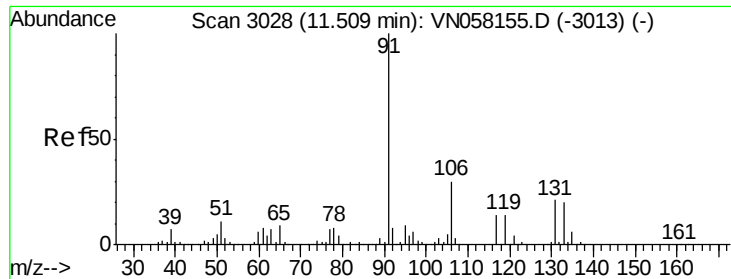
Tot Ion:112 Resp: 236607
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.821 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion:131 Resp: 91517
Ion Ratio Lower Upper
131 100
133 92.4 47.8 143.3
119 65.0 33.1 99.3

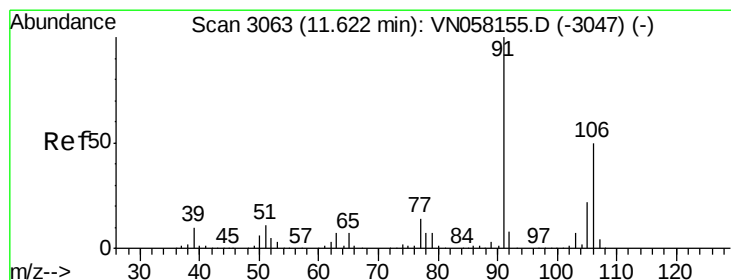
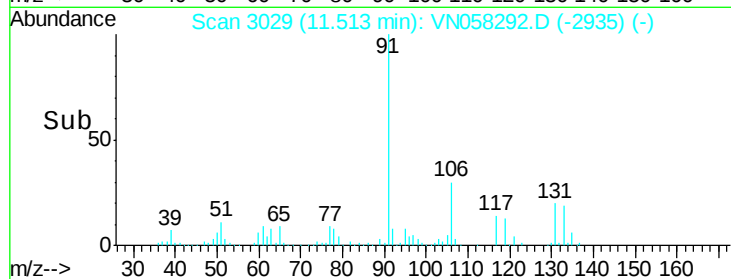
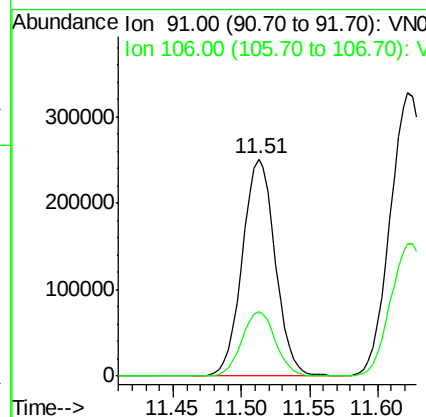
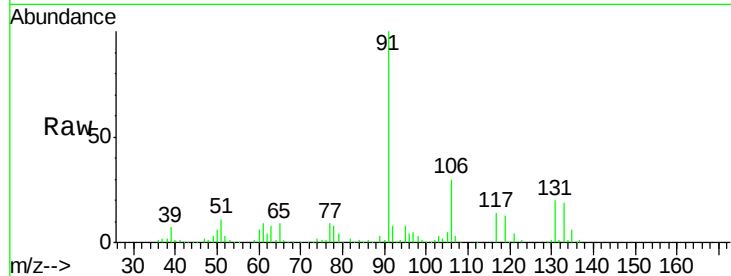




#67
Ethyl Benzene
Concen: 20.252 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

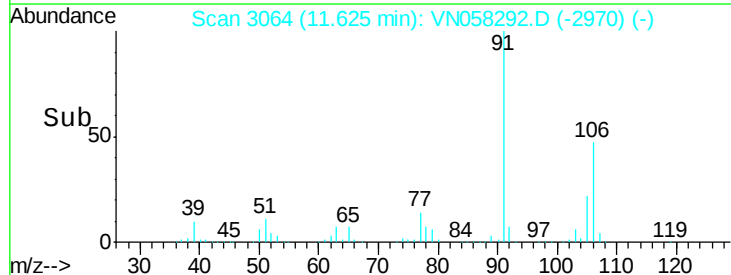
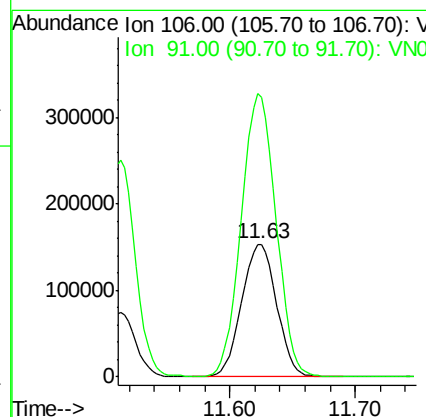
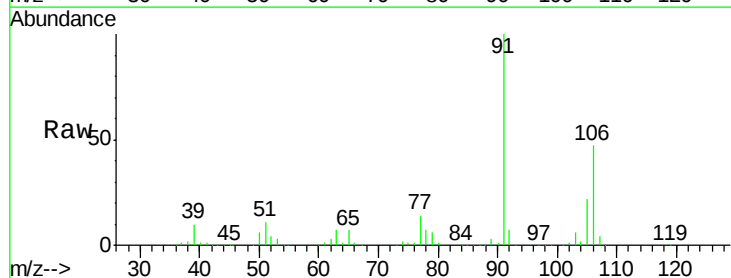
Instrument :
MSVOA_N
ClientSampled :
VN0923MBS01

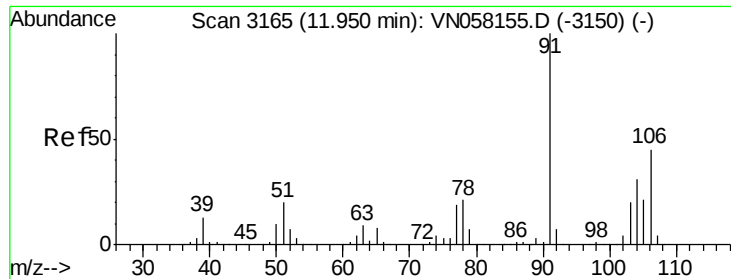
Tot Ion: 91 Resp: 420646
Ion Ratio Lower Upper
91 100
106 29.6 24.0 36.0



#68
m/p-Xylenes
Concen: 38.086 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 106 Resp: 297945
Ion Ratio Lower Upper
106 100
91 211.3 163.6 245.4

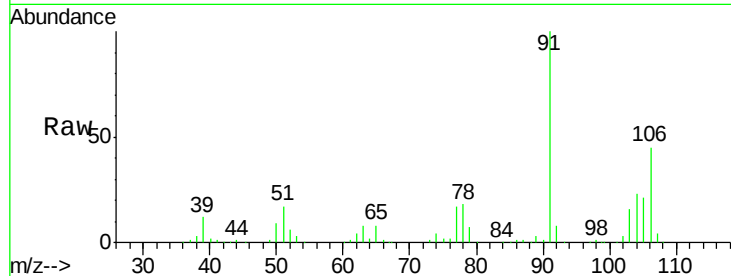




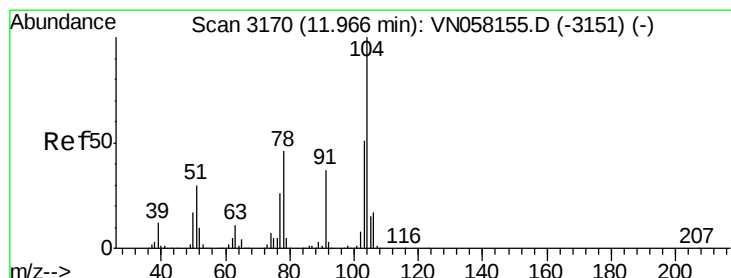
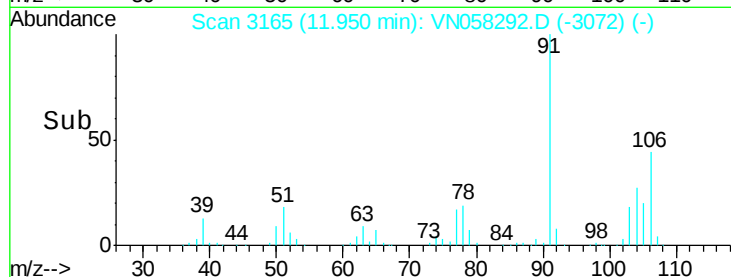
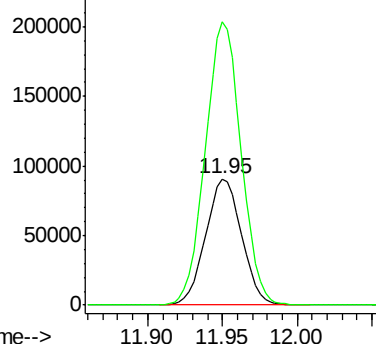
#69
o-Xylene
Concen: 19.812 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VN0923MBSD01

Tot Ion:106 Resp: 152394
Ion Ratio Lower Upper
106 100
91 222.4 111.8 335.3

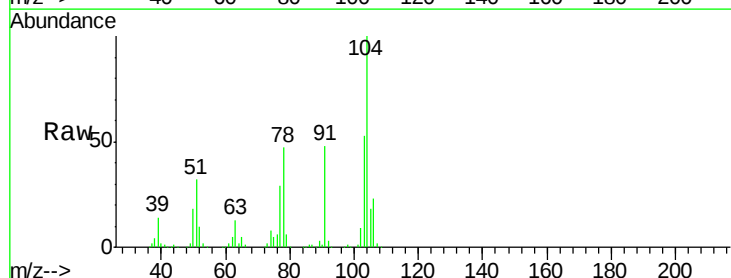


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

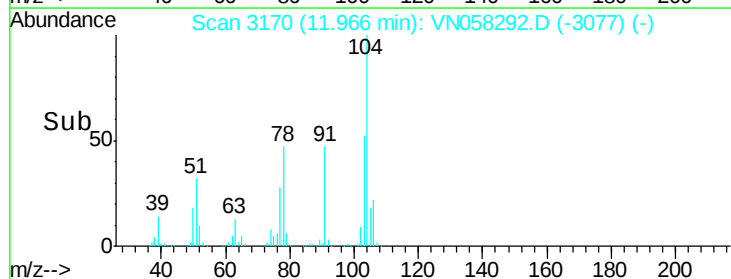
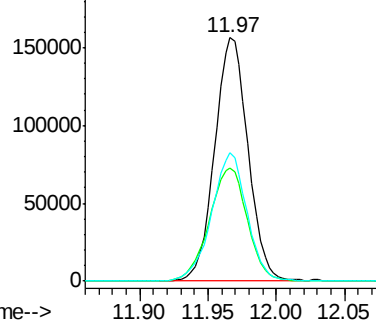


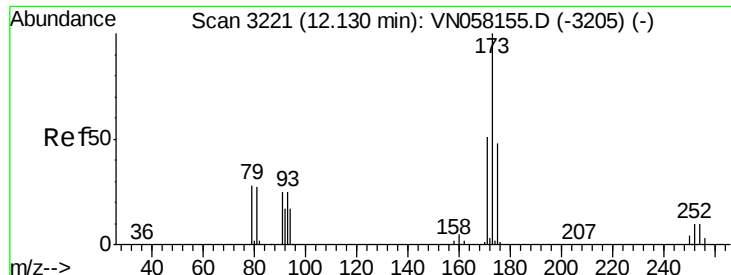
#70
Styrene
Concen: 20.052 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion:104 Resp: 265764
Ion Ratio Lower Upper
104 100
78 53.0 41.8 62.8
103 55.7 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

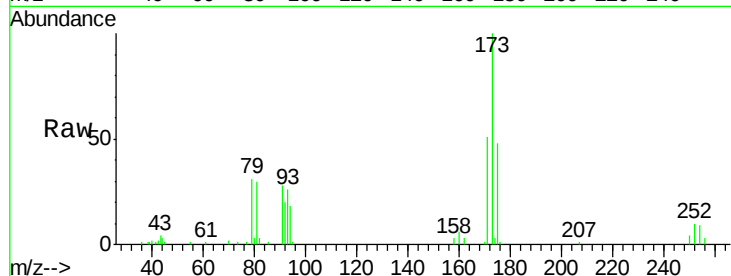




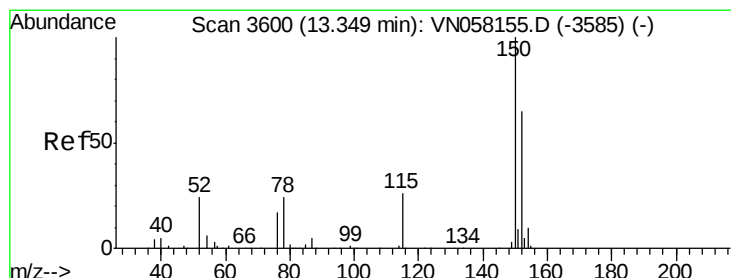
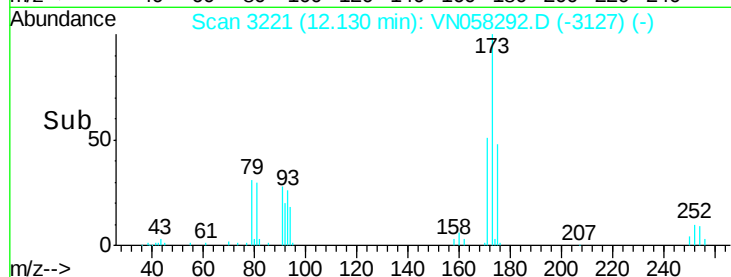
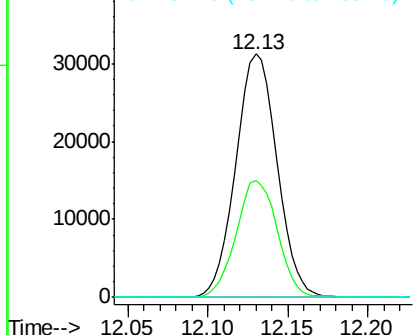
#71
Bromoform
Concen: 19.226 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VN0923MBSD01

Tot Ion:173 Resp: 54882
Ion Ratio Lower Upper
173 100
175 48.1 24.2 72.6
254 0.0 0.1 0.1#

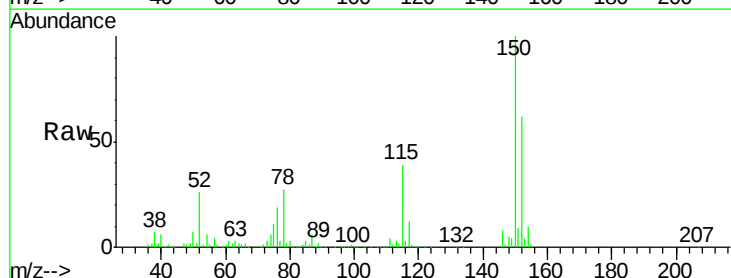


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

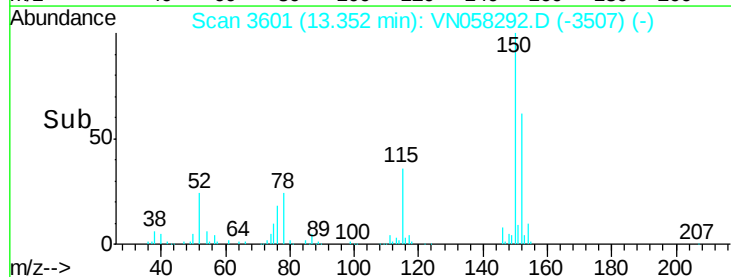
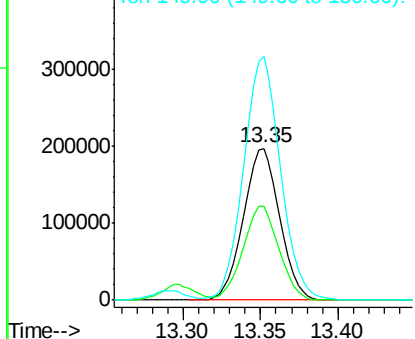


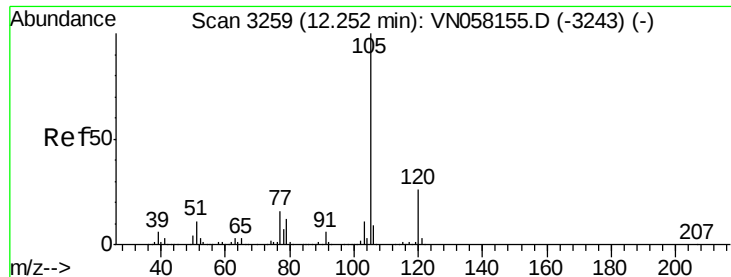
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion:152 Resp: 322486
Ion Ratio Lower Upper
152 100
115 61.2 30.1 90.3
150 163.6 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: 21.348 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

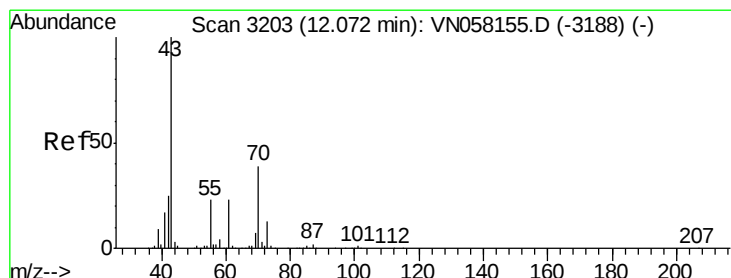
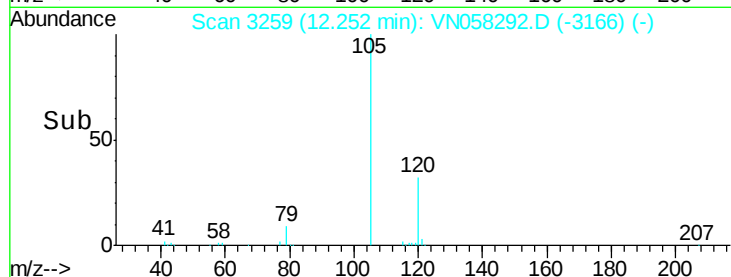
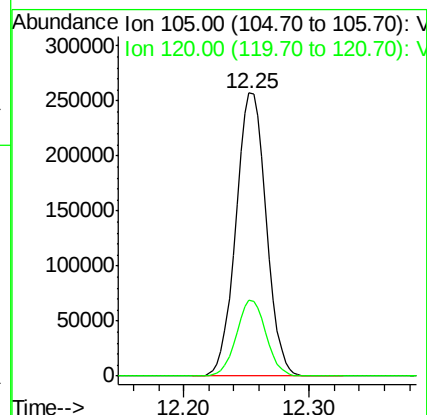
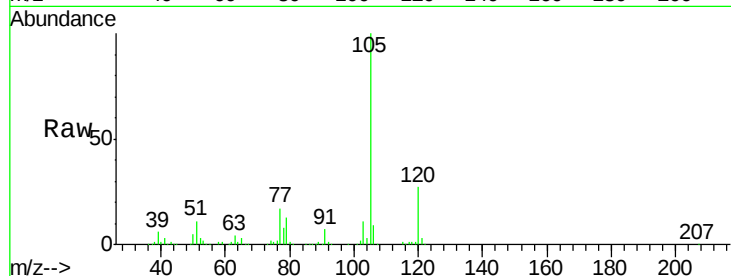
VN0923MBSD01

Tot Ion:105 Resp: 430931

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3



#74

N-ethyl acetate

Concen: 22.098 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion: 43 Resp: 186603

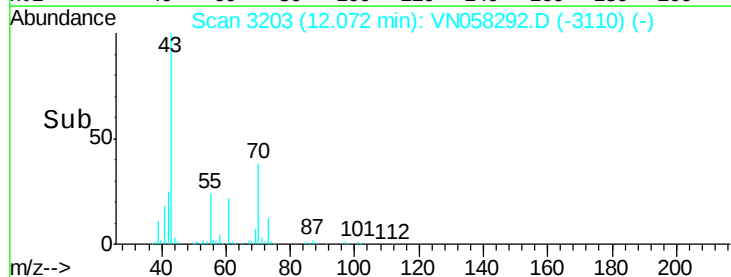
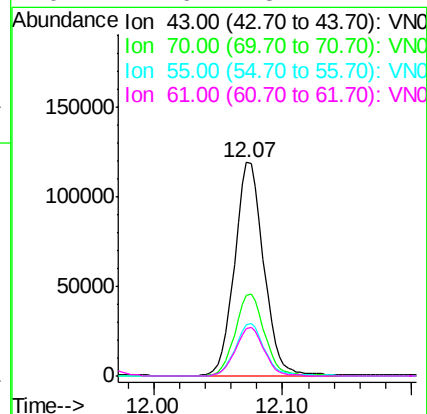
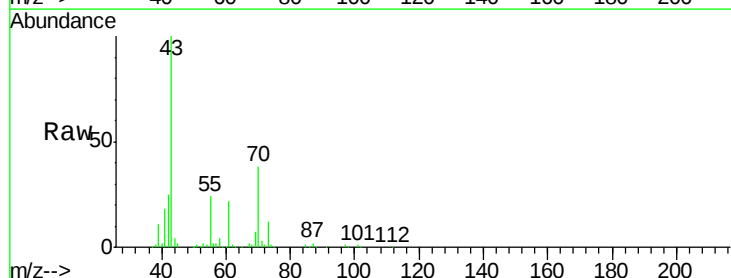
Ion Ratio Lower Upper

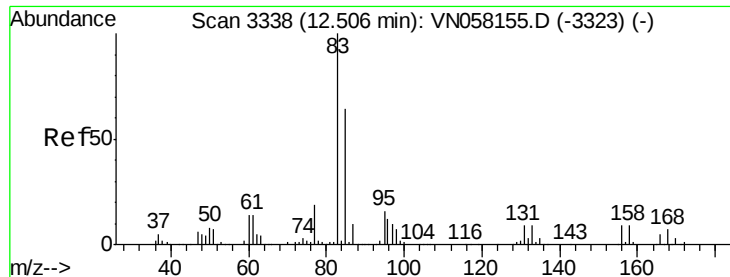
43 100

70 39.1 31.0 46.6

55 24.6 18.5 27.7

61 22.6 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 23.123 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

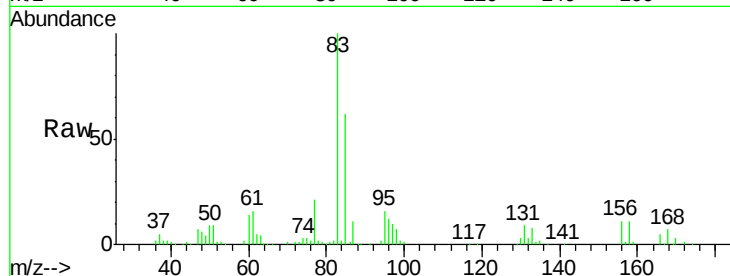
Tot Ion: 83 Resp: 156301

Ion Ratio Lower Upper

83 100

131 8.9 4.8 14.3

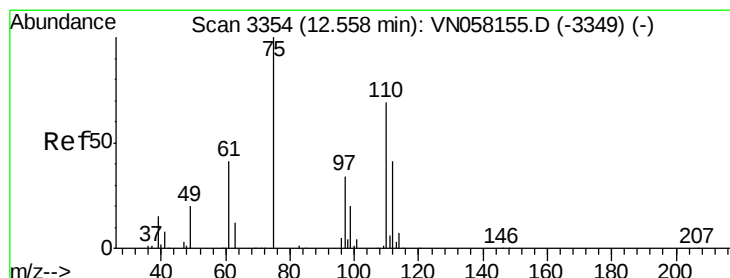
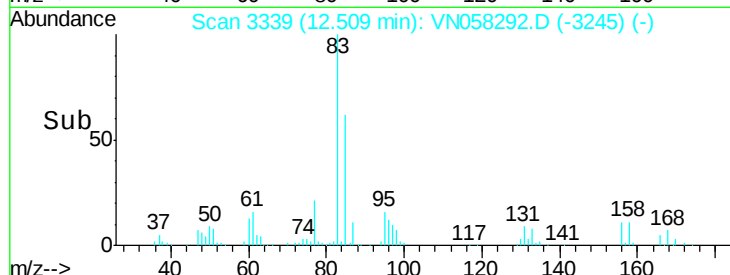
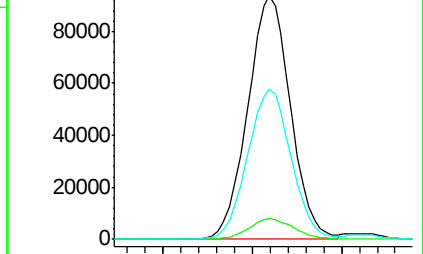
85 63.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058292.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058292.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058292.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 31.060 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058292.D

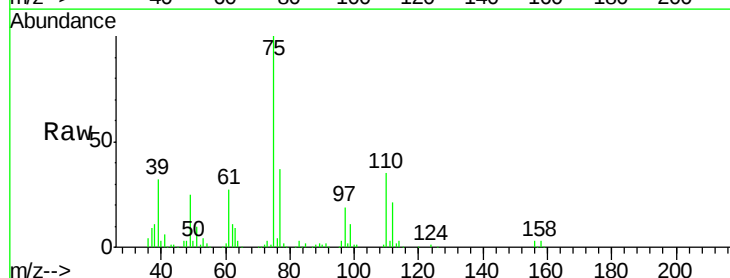
Acq: 23 Sep 2019 15:07

Tgt Ion: 75 Resp: 179262

Ion Ratio Lower Upper

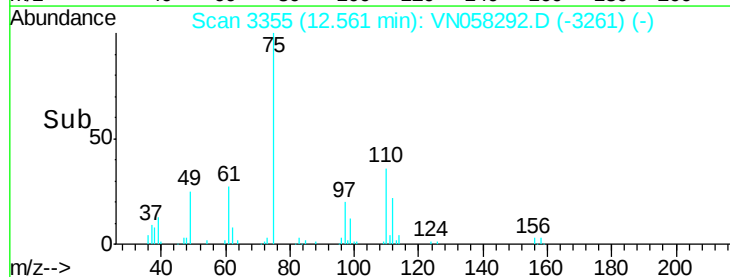
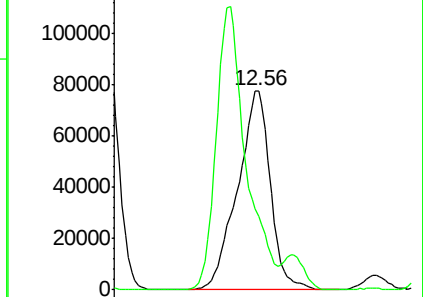
75 100

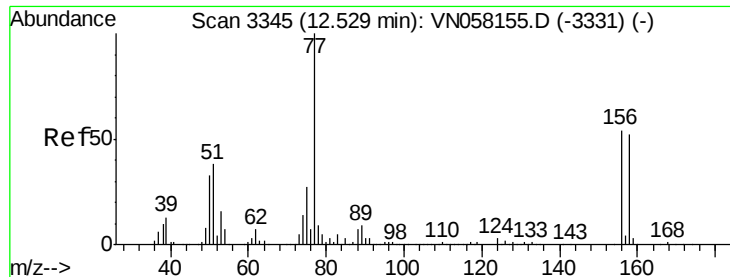
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058292.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058292.D (-3261) (-)





#77

Bromobenzene

Concen: 20.185 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

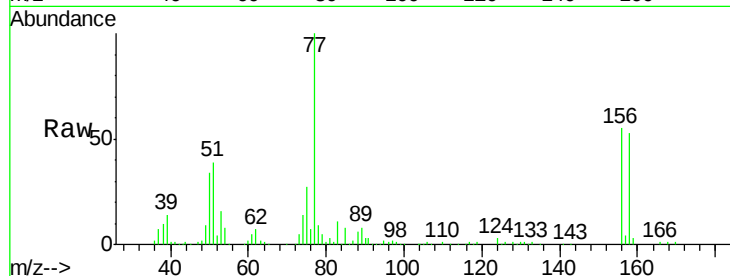
Tot Ion:156 Resp: 102488

Ion Ratio Lower Upper

156 100

77 227.9 111.7 335.1

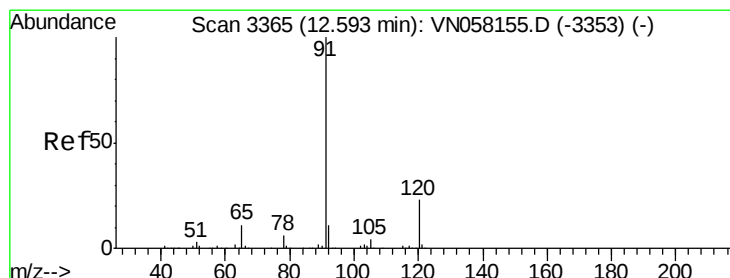
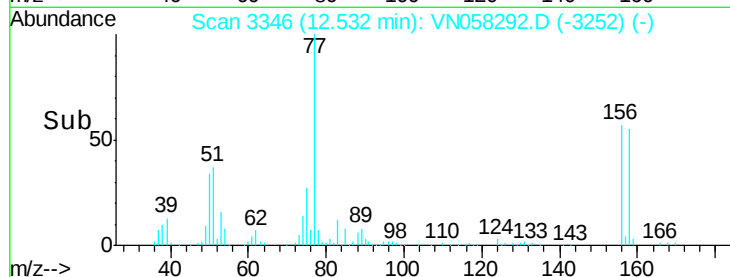
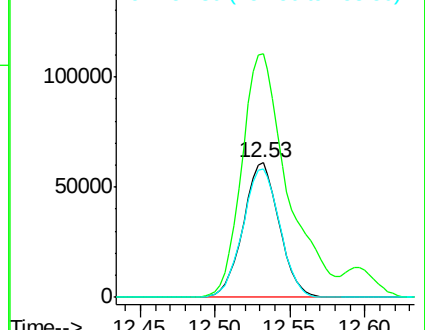
158 98.0 47.9 143.8



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: 21.761 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058292.D

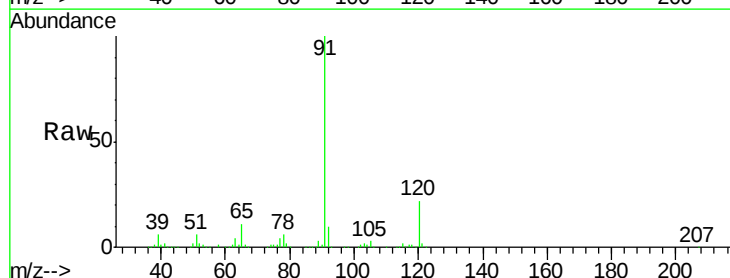
Acq: 23 Sep 2019 15:07

Tgt Ion: 91 Resp: 499145

Ion Ratio Lower Upper

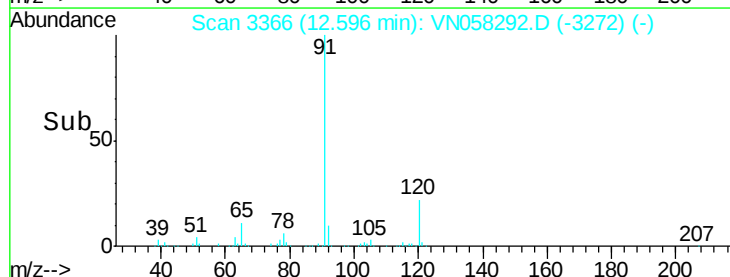
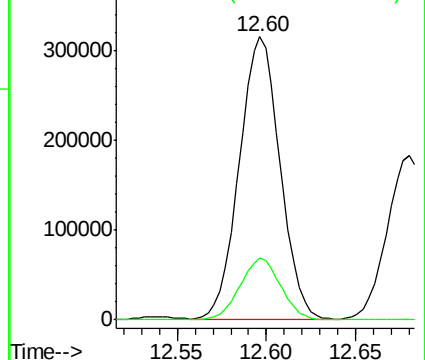
91 100

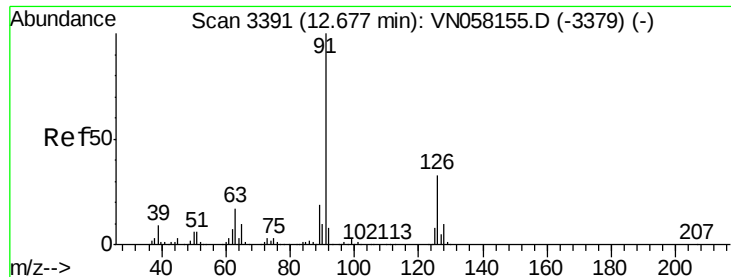
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.076 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

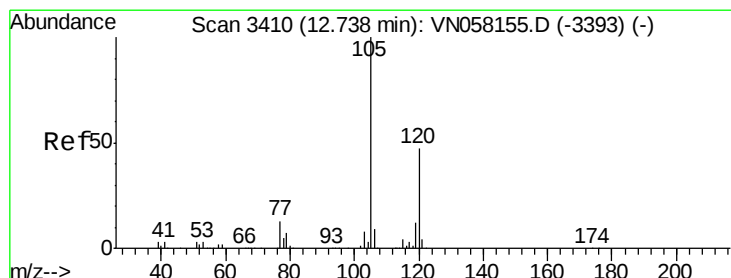
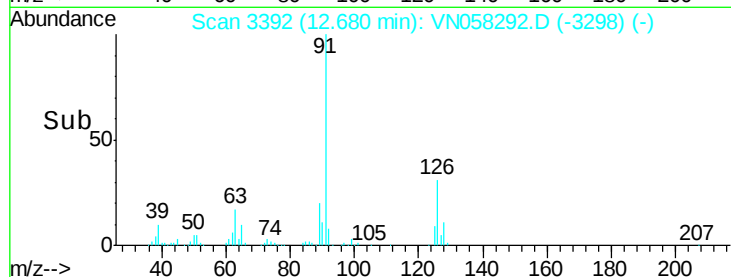
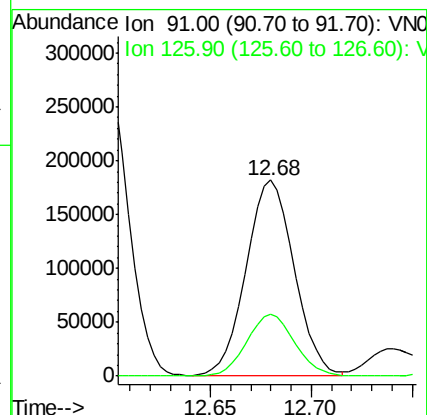
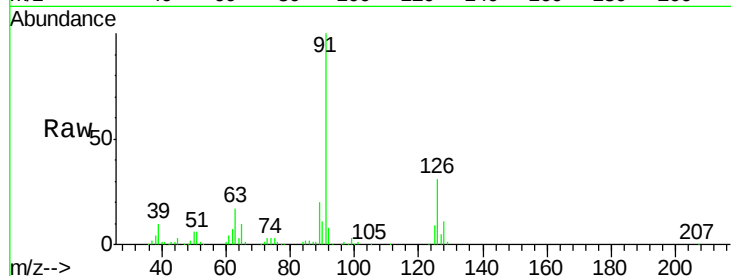
VN0923MBSD01

Tot Ion: 91 Resp: 302130

Ion Ratio Lower Upper

91 100

126 31.8 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 21.650 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058292.D

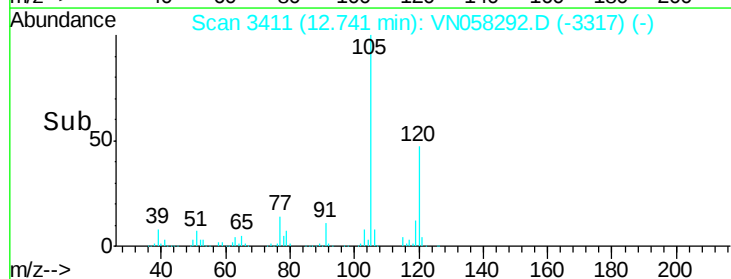
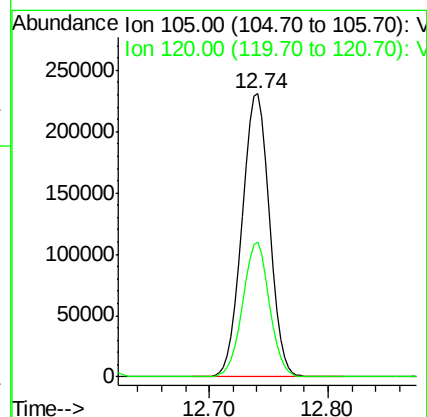
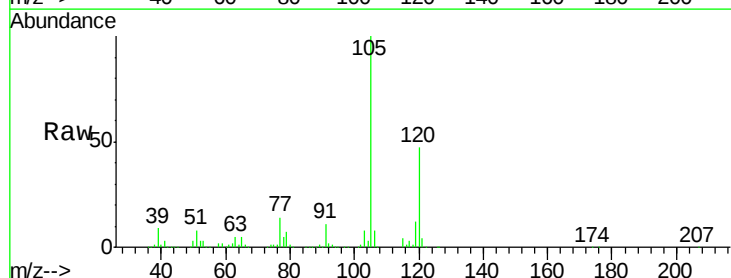
Acq: 23 Sep 2019 15:07

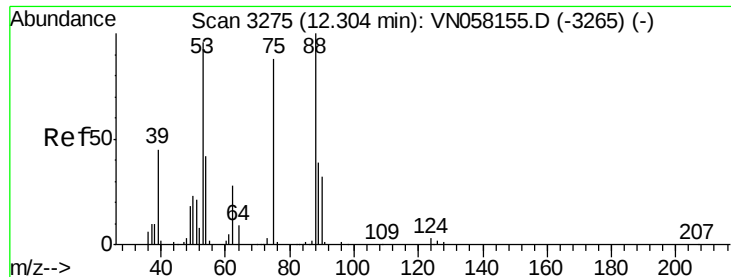
Tgt Ion: 105 Resp: 369549

Ion Ratio Lower Upper

105 100

120 46.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.872 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

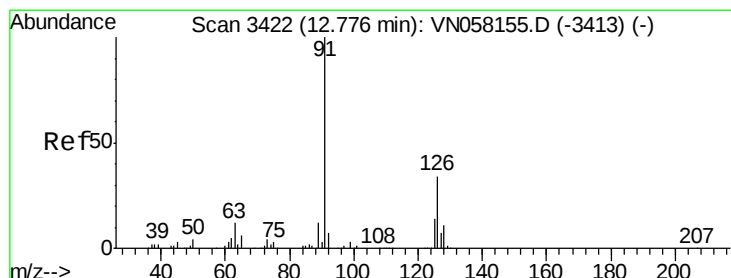
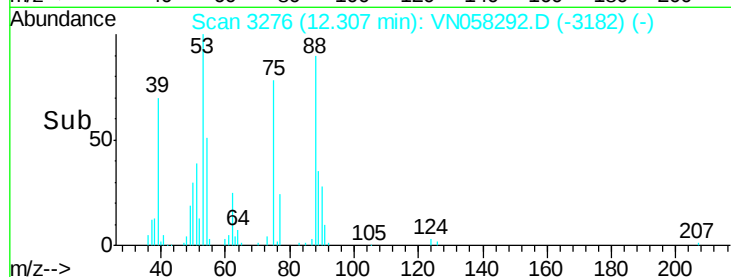
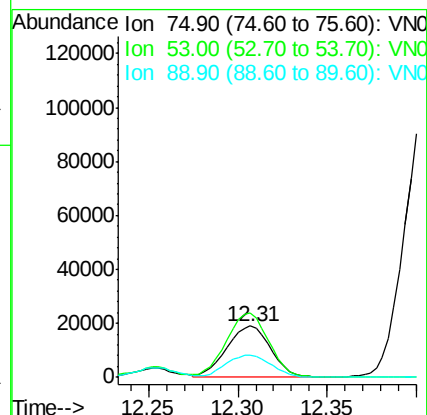
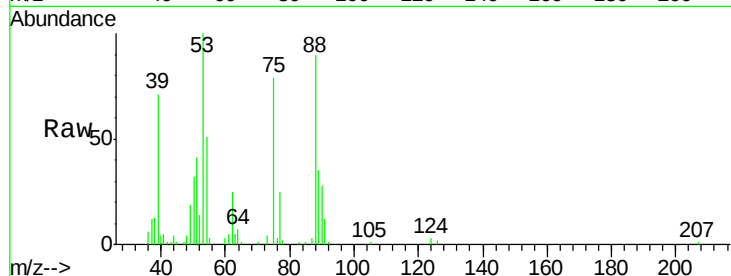
Tot Ion: 75 Resp: 33092

Ion Ratio Lower Upper

75 100

53 119.4 90.1 135.1

89 44.4 36.2 54.2



#82

4-Chlorotoluene

Concen: 20.893 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058292.D

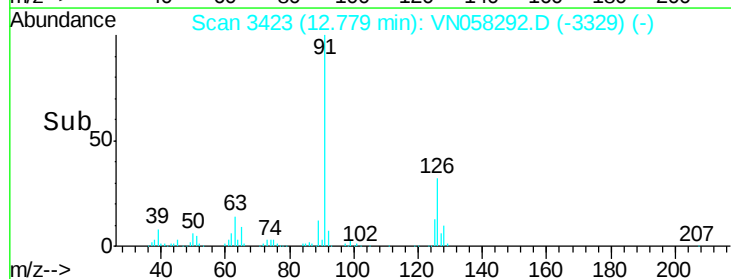
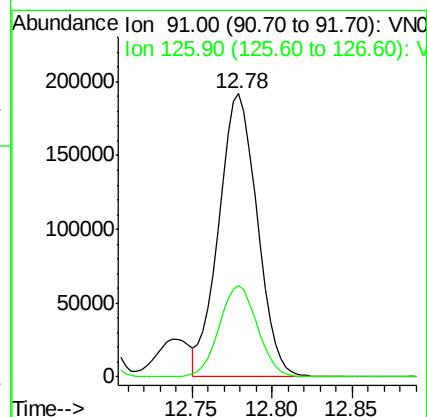
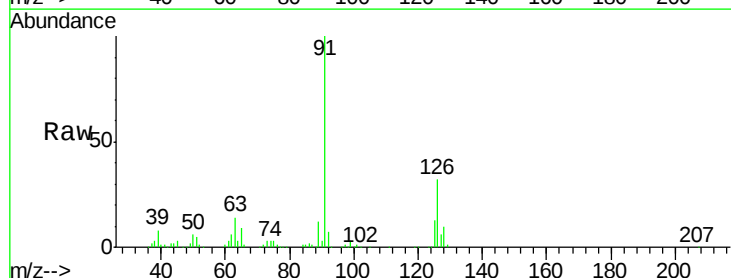
Acq: 23 Sep 2019 15:07

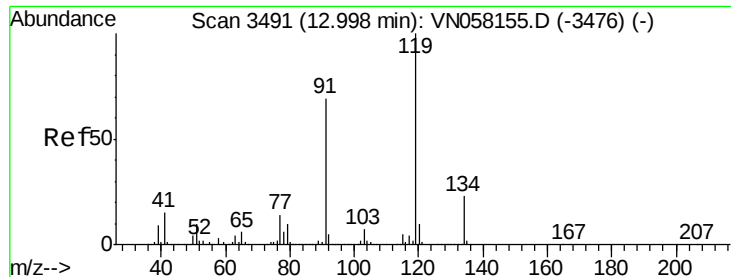
Tgt Ion: 91 Resp: 314842

Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.1

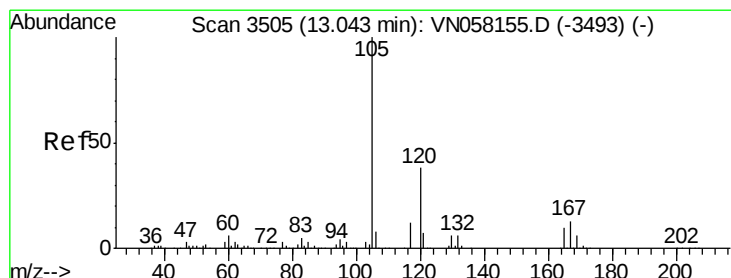
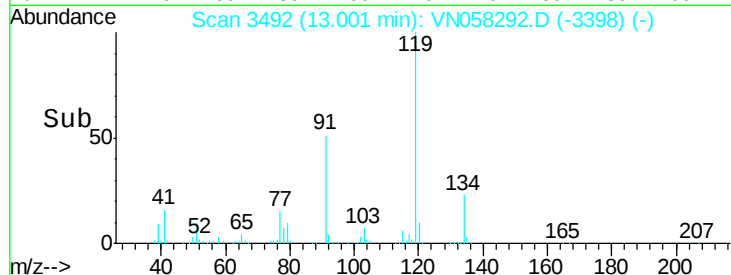
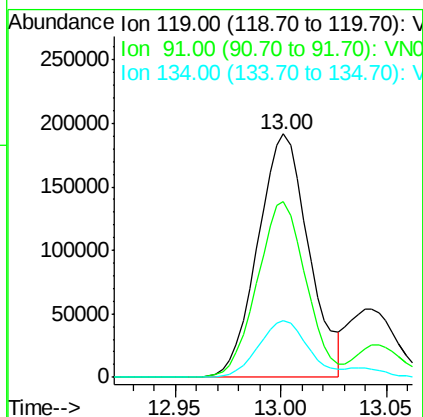
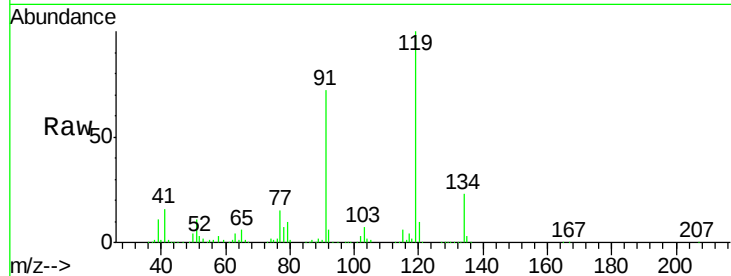




#83
tert-Butylbenzene
Concen: 21.169 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

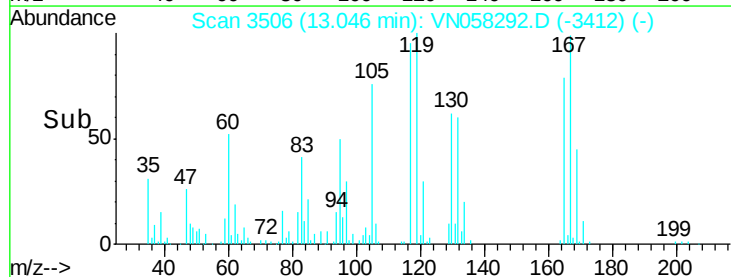
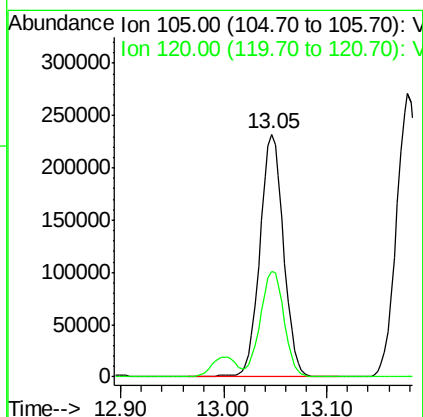
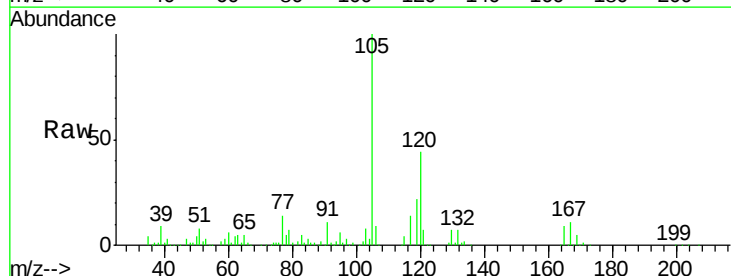
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion:119 Resp: 322232
Ion Ratio Lower Upper
119 100
91 69.7 33.8 101.3
134 22.6 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 21.618 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion:105 Resp: 367225
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.5

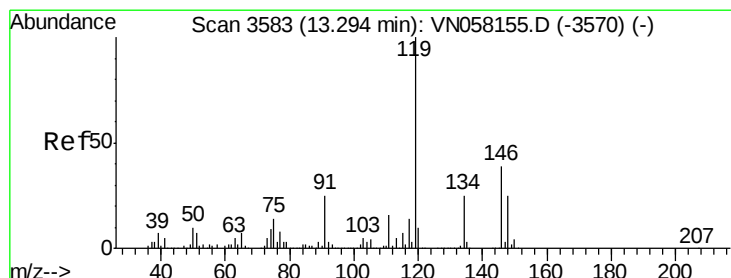
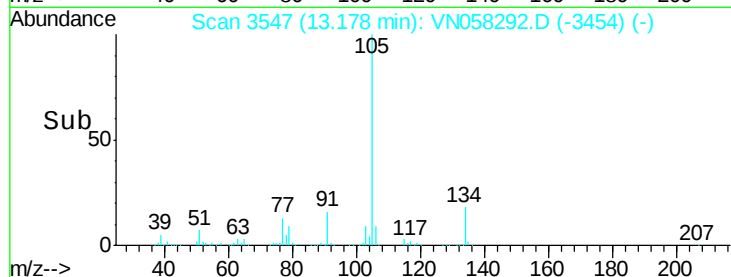
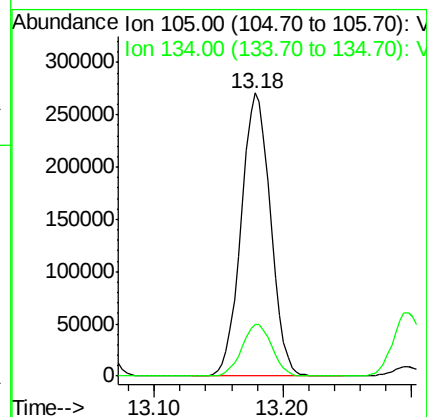
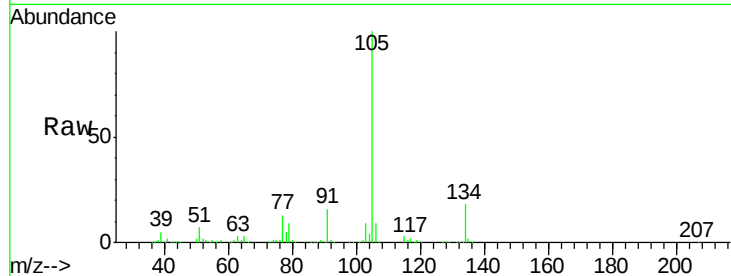




#85
 sec-Butylbenzene
 Concen: 21.501 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

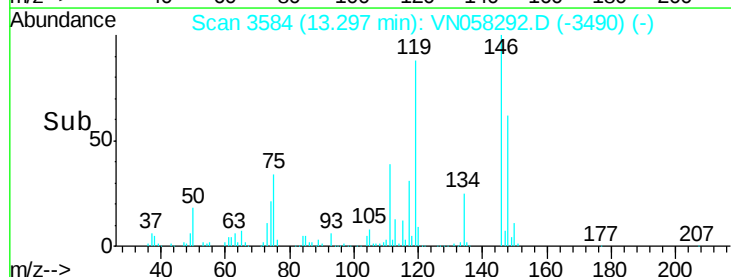
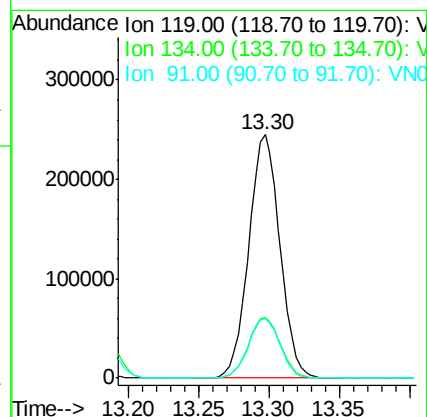
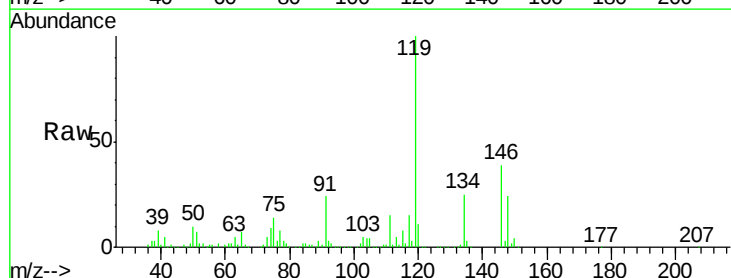
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

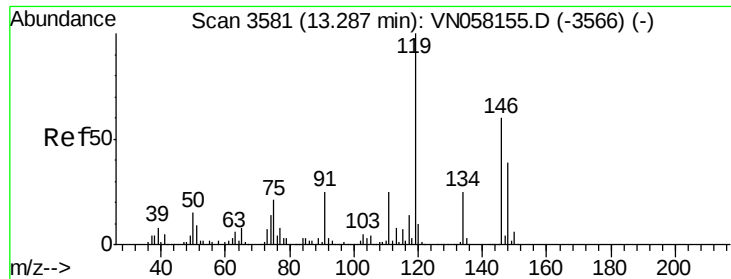
Tot Ion:105 Resp: 427984
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 21.312 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion:119 Resp: 377139
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.0
 91 24.9 12.3 36.8

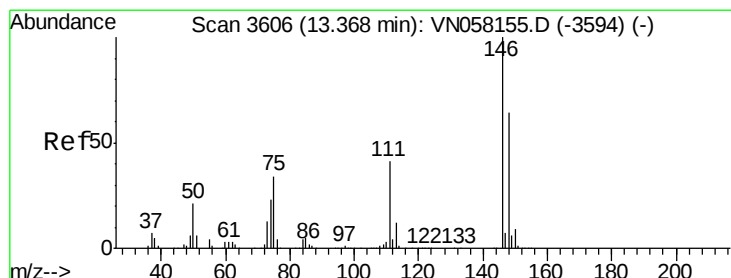
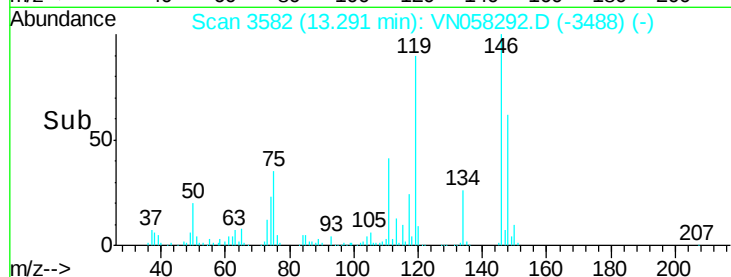
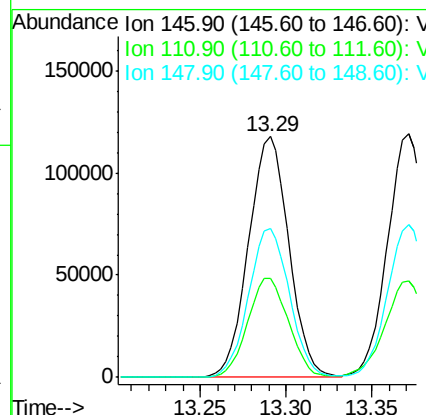
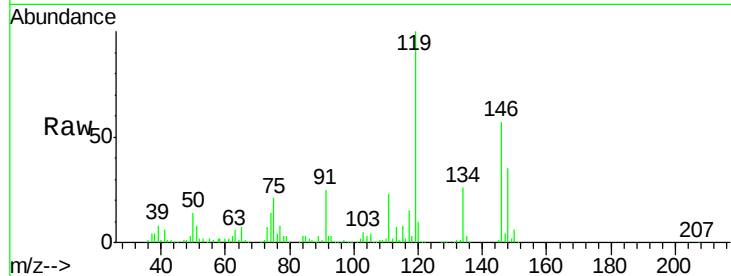




#87
 1,3-Dichlorobenzene
 Concen: 20.648 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

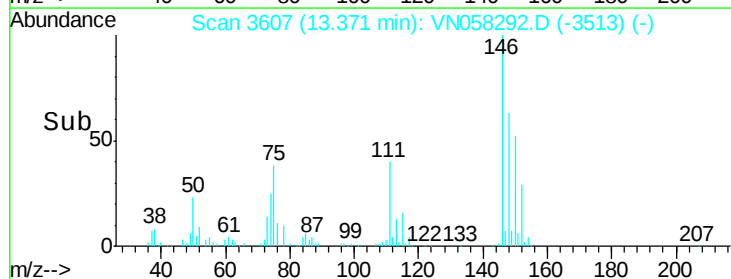
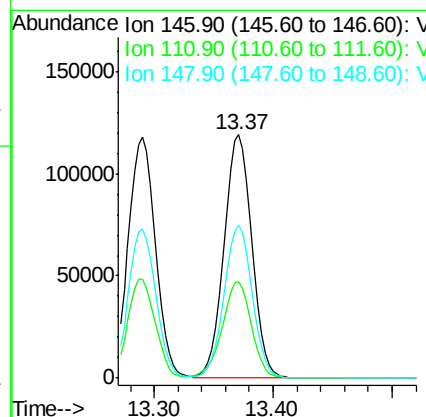
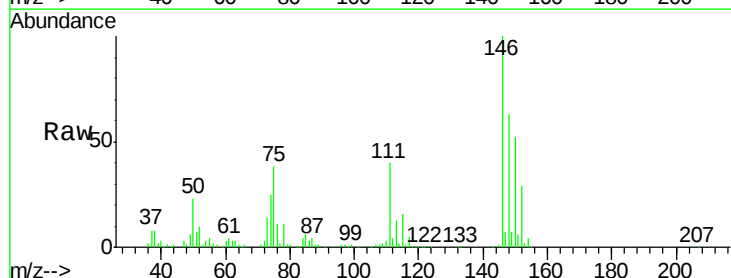
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

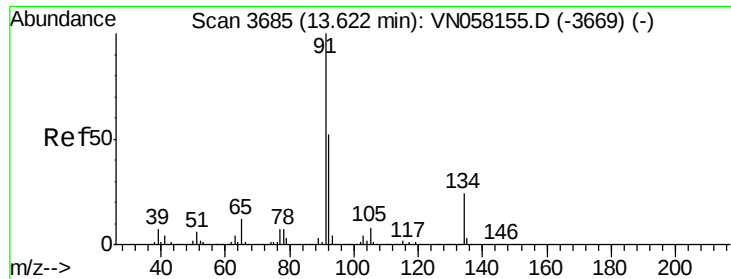
Tot Ion:146 Resp: 191489
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.9 62.8
 148 62.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.428 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion:146 Resp: 193413
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.5 61.5
 148 63.8 31.9 95.5





#89

n-Butylbenzene

Concen: 19.877 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0923MBSD01

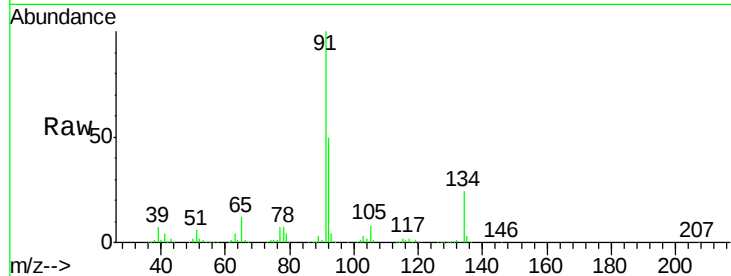
Tot Ion: 91 Resp: 333488

Ion Ratio Lower Upper

91 100

92 50.7 25.7 77.0

134 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)

13.62

250000

200000

150000

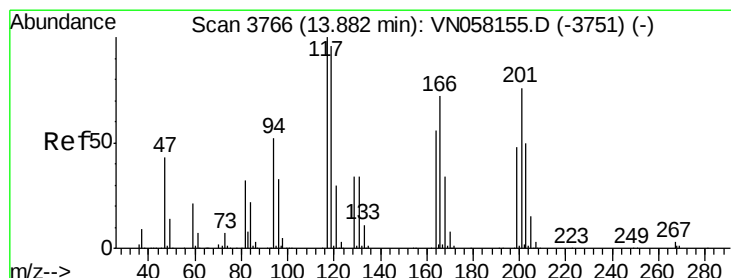
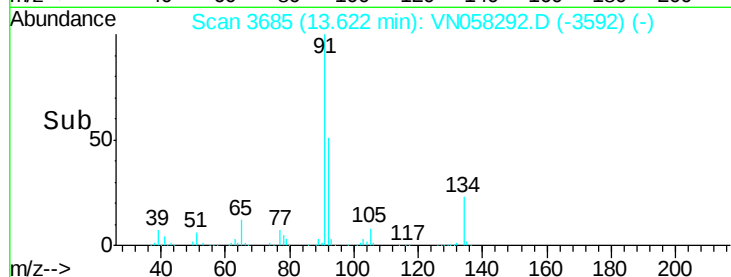
100000

50000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 20.543 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058292.D

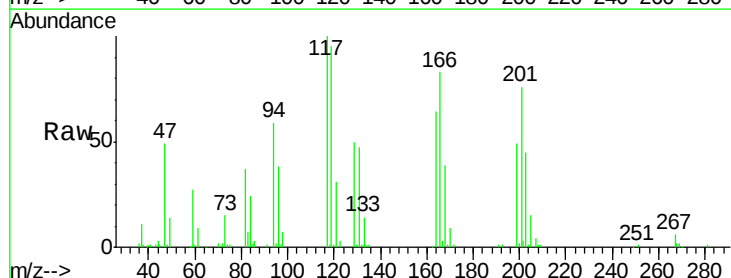
Acq: 23 Sep 2019 15:07

Tgt Ion: 117 Resp: 58278

Ion Ratio Lower Upper

117 100

201 72.9 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): VN058155.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058155.D (-3751) (-)

13.88

30000

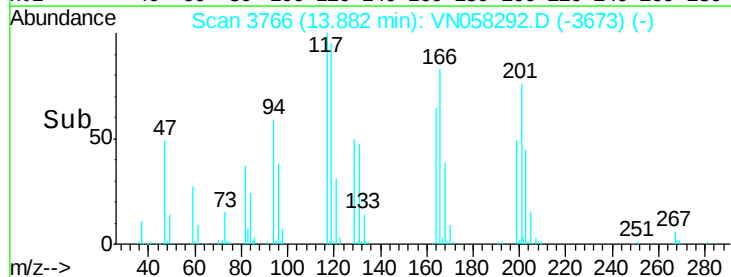
20000

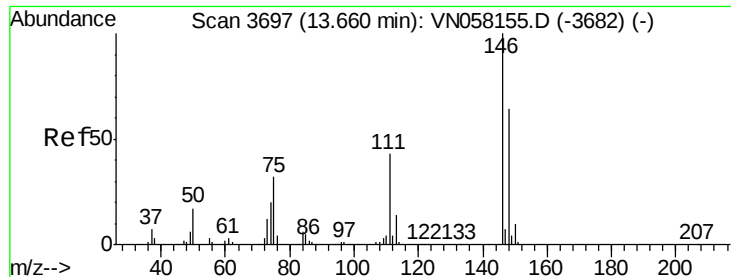
10000

0

13.80 13.85 13.90 13.95

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.984 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

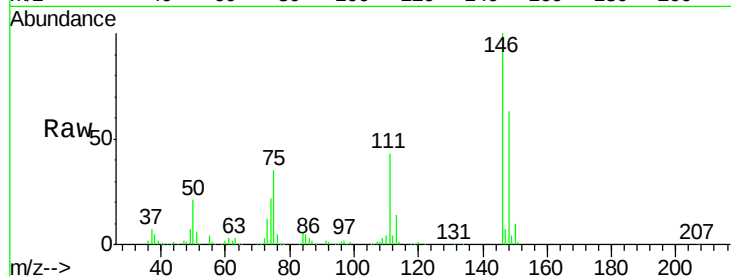
Tot Ion:146 Resp: 195216

Ion Ratio Lower Upper

146 100

111 43.4 21.1 63.1

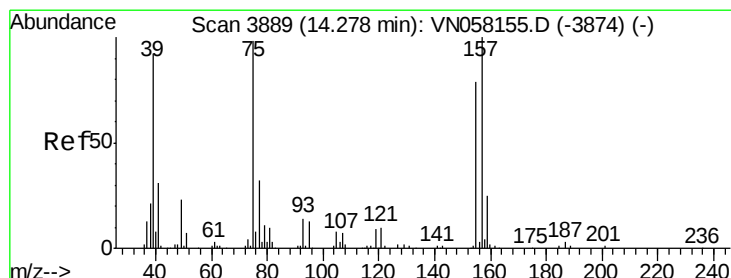
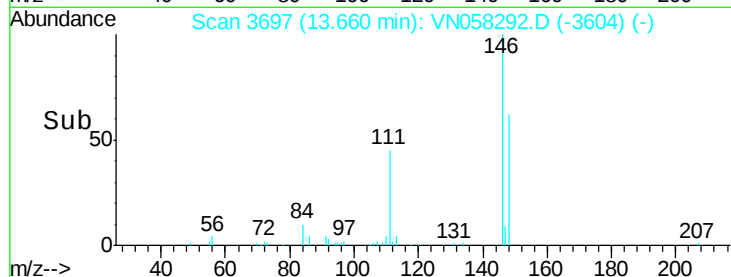
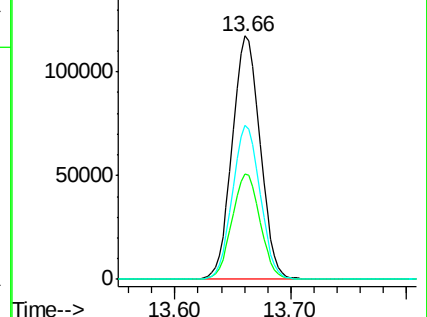
148 62.8 31.8 95.4



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: 22.379 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

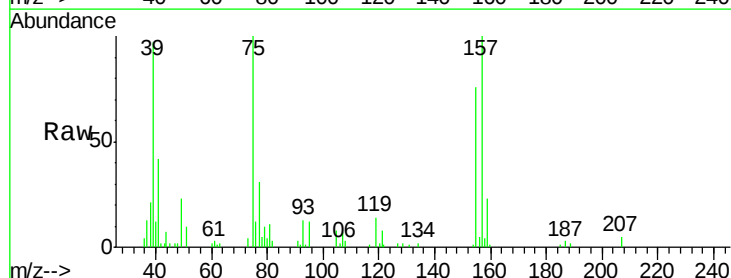
Tgt Ion: 75 Resp: 27234

Ion Ratio Lower Upper

75 100

155 72.7 38.3 114.8

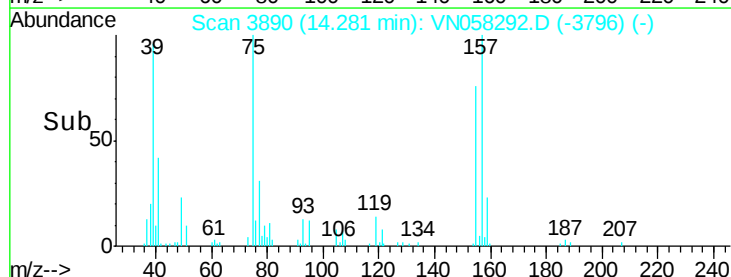
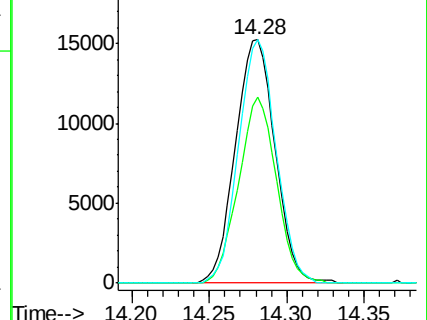
157 94.3 48.0 144.0



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

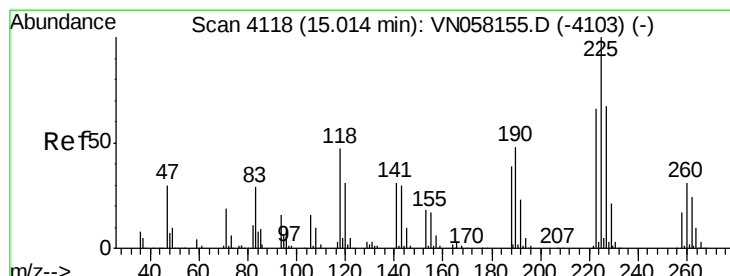
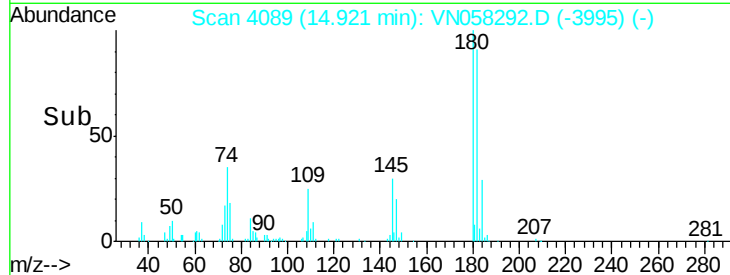
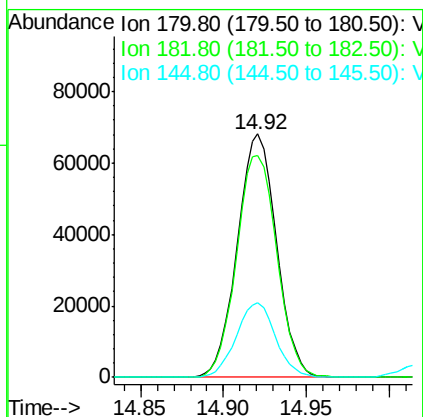
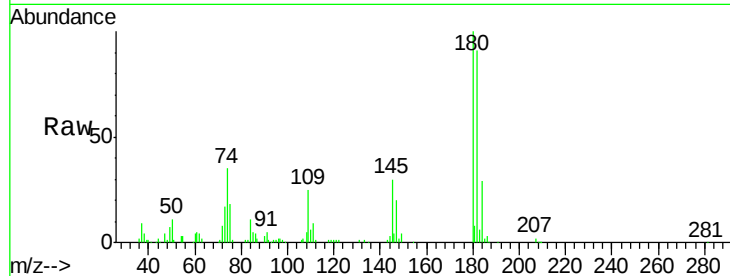




#93
 1,2,4-Trichlorobenzene
 Concen: 18.797 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

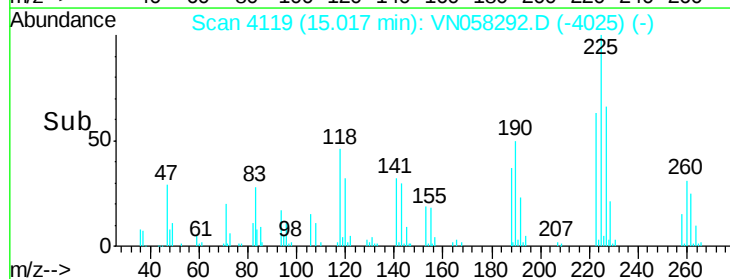
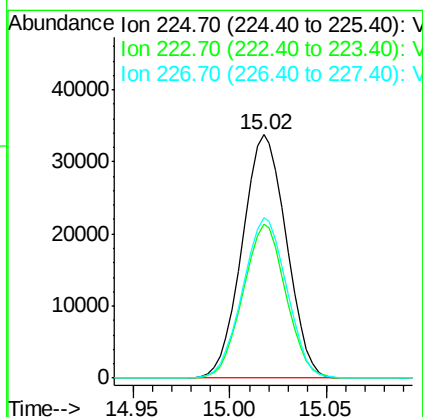
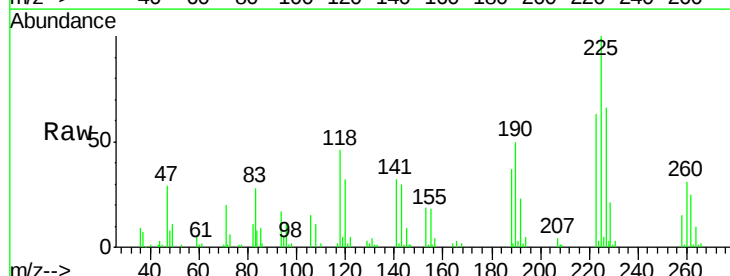
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

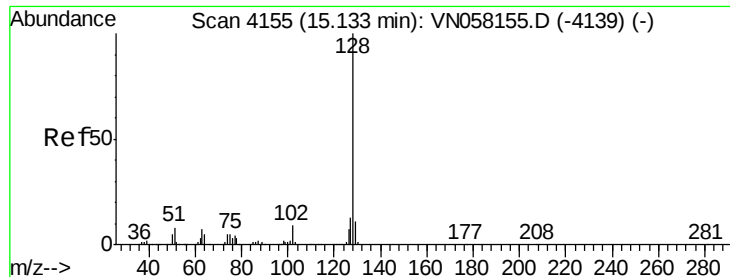
Tot Ion:180 Resp: 111726
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.8 143.3
 145 30.9 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 18.711 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion:225 Resp: 53755
 Ion Ratio Lower Upper
 225 100
 223 61.3 32.6 97.7
 227 65.6 33.0 99.0





#95

Naphthalene

Concen: 20.750 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

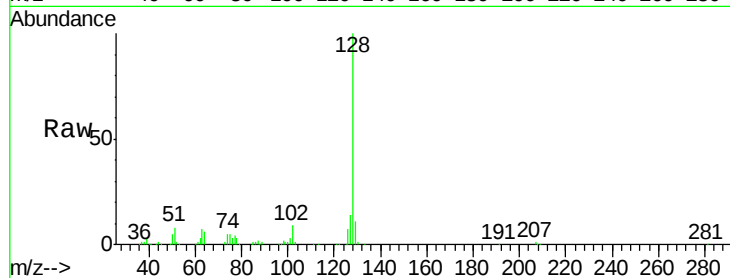
Tot Ion:128 Resp: 319626

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

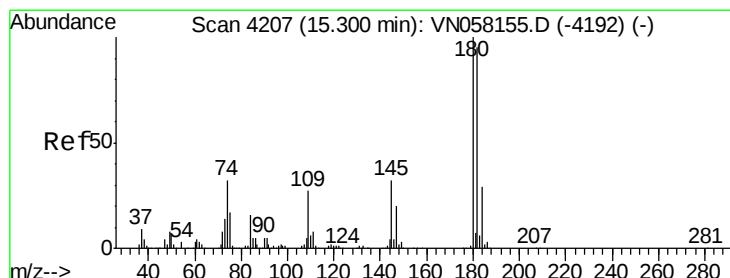
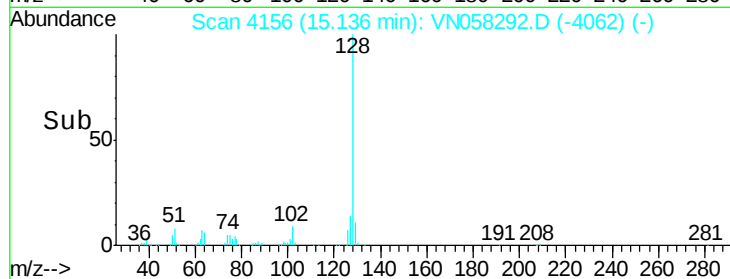
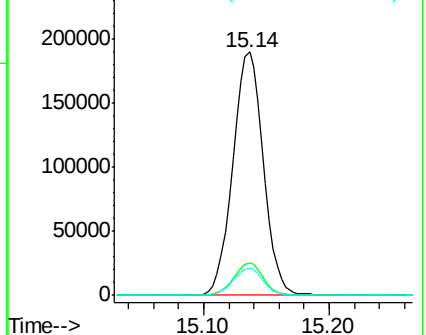
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.983 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

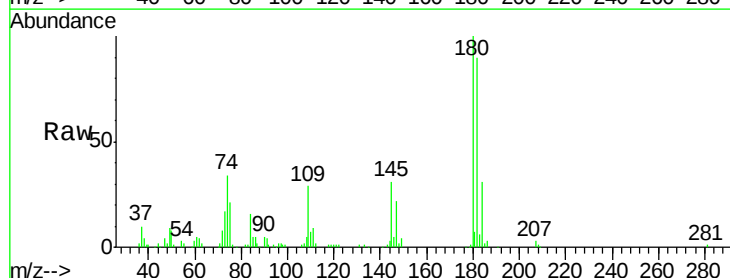
Tgt Ion:180 Resp: 106648

Ion Ratio Lower Upper

180 100

182 94.6 47.4 142.2

145 32.7 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

