

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058670.D
 Acq On : 10 Oct 2019 17:28
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 11 04:23:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:10:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	74598	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	413304	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	384536	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	184572	28.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.03%
60) 4-Bromofluorobenzene	12.41	95	205249	30.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.30%
63) Toluene-d8	10.08	98	541724	29.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	348010	78.876	ug/l 100
3) Chloromethane	2.04	50	452044	85.756	ug/l 100
4) Vinyl Chloride	2.17	62	476688	90.101	ug/l 99
5) Bromomethane	2.53	94	284741m	94.398	ug/l
6) Chloroethane	2.68	64	290912	92.179	ug/l 98
7) Trichlorofluoromethane	2.99	101	581189	92.958	ug/l 100
8) Diethyl Ether	3.39	74	221849	81.665	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	334973	80.286	ug/l 99
10) 1,1-Dichloroethene	3.71	96	321539	78.687	ug/l 97
11) Methyl Iodide	3.93	142	475021	104.486	ug/l 99
12) Methyl Acetate	4.30	43	527496	93.132	ug/l 99
13) Acrolein	3.58	56	284880	1109.904	ug/l 99
14) Acrylonitrile	4.96	53	1089479	474.295	ug/l 98
15) Acetone	3.79	58	313506	492.988	ug/l 99
16) Carbon Disulfide	4.03	76	954745	82.154	ug/l 100
17) Allyl chloride	4.30	41	662865	85.613	ug/l 98
18) Methylene Chloride	4.53	84	393444	81.353	ug/l 99
19) trans-1,2-Dichloroethene	5.01	96	358084	78.427	ug/l 95
20) Diisopropyl ether	5.93	45	1378311	84.235	ug/l 94
21) 1,1-Dichloroethane	5.82	63	744346	81.571	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	431705	81.068	ug/l 98
23) tert-Butyl Alcohol	4.76	59	435685	500.281	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	1258158	85.104	ug/l 99
25) Chloroform	7.35	83	741916	80.385	ug/l 95
26) Cyclohexane	7.63	56	664101	78.981	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	564966	83.592	ug/l 99
30) 2-Butanone	6.81	43	1665381	522.047	ug/l 100
31) 2,2-Dichloropropane	6.80	77	650860	91.452	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	642316	86.523	ug/l 99
33) Carbon Tetrachloride	7.76	117	565925	89.380	ug/l 99
34) Benzene	8.03	78	1653817	85.715	ug/l # 91
35) Methacrylonitrile	7.16	41	312022m	111.506	ug/l
36) 1,2-Dichloroethane	8.11	62	629398	83.349	ug/l 100
37) Trichloroethene	8.82	130	409298	84.883	ug/l 98
38) Methylcyclohexane	9.07	83	663811	81.713	ug/l 99
39) 1,2-Dichloropropane	9.11	63	447598	84.454	ug/l 97
40) Dibromomethane	9.20	93	288468	86.502	ug/l 99

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 VSTDICC100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	596292	89.529	ug/l	99
42) Vinyl Acetate	5.87	43	5784852	483.370	ug/l	99
43) Ethyl Acetate	6.91	43	624362	97.597	ug/l	97
44) Isopropyl Acetate	8.15	43	1043923	93.731	ug/l	100
45) 1,4-Dioxane	9.19	88	163381	1789.439	ug/l	98
46) Methyl methacrylate	9.19	41	489587	93.272	ug/l	98
47) n-amyl Acetate	12.07	43	965718	98.873	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	703331	95.237	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	738137	91.261	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	409747	87.608	ug/l	97
51) Ethyl methacrylate	10.43	69	696395	93.853	ug/l	99
52) 1,3-Dichloropropane	10.71	76	724668	87.332	ug/l	99
53) Dibromochloromethane	10.90	129	458164	95.552	ug/l	98
54) 1,2-Dibromoethane	11.00	107	435238	90.853	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	1595635	484.142	ug/l	99
56) Bromoform	12.13	173	329679	106.247	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	3123490	499.923	ug/l	97
59) 2-Hexanone	10.75	43	2513646	528.570	ug/l	97
61) Tetrachloroethene	10.63	164	347912	84.493	ug/l	98
62) Toluene	10.15	91	1784954	84.442	ug/l	99
64) Chlorobenzene	11.43	112	1087504	83.683	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	415837	89.445	ug/l	98
66) Ethyl Benzene	11.51	91	2025694	88.090	ug/l	99
67) m/p-Xylenes	11.62	106	1510759	170.863	ug/l	98
68) o-Xylene	11.95	106	728634	84.847	ug/l	100
69) Styrene	11.97	104	1251315	87.460	ug/l	98
70) Isopropylbenzene	12.25	105	2006020	90.019	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	657025	90.693	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	596811m	95.113	ug/l	
73) Bromobenzene	12.53	156	471067	86.595	ug/l	98
74) n-propylbenzene	12.60	91	2364616	91.767	ug/l	98
75) 2-Chlorotoluene	12.68	91	1396220	86.730	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	1714775	89.296	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	244097	113.237	ug/l	95
78) 4-Chlorotoluene	12.78	91	1477857	89.620	ug/l	100
79) tert-butylbenzene	13.00	119	1462902	87.617	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	1723613	90.174	ug/l	100
81) sec-Butylbenzene	13.18	105	1991433	91.369	ug/l	99
82) p-Isopropyltoluene	13.29	119	1816950	92.372	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	880586	87.931	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	878483	87.815	ug/l	100
85) n-Butylbenzene	13.62	91	1695811	93.164	ug/l	98
86) Hexachloroethane	13.88	117	325114	98.163	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	863888	88.407	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	149312	101.318	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	560143	87.294	ug/l	100
90) Hexachlorobutadiene	15.02	225	282096	90.125	ug/l	99
91) Naphthalene	15.13	128	1701014	95.211	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	544149	87.969	ug/l	98

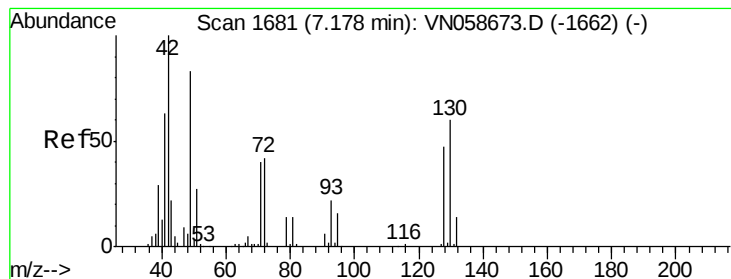
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

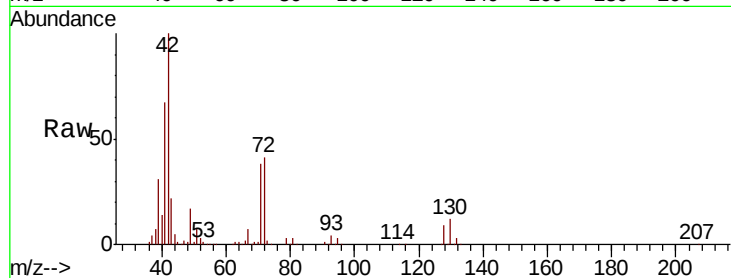
Tot Ion:128 Resp: 74598

Ion Ratio Lower Upper

128 100

49 186.6 0.0 453.5

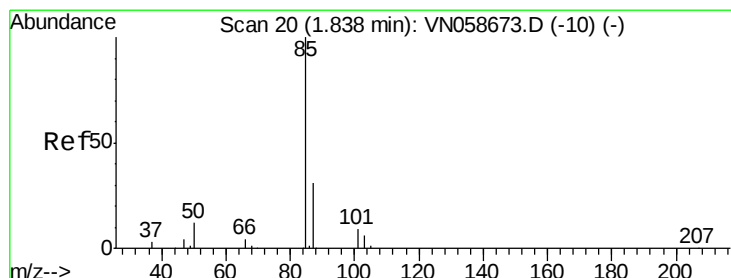
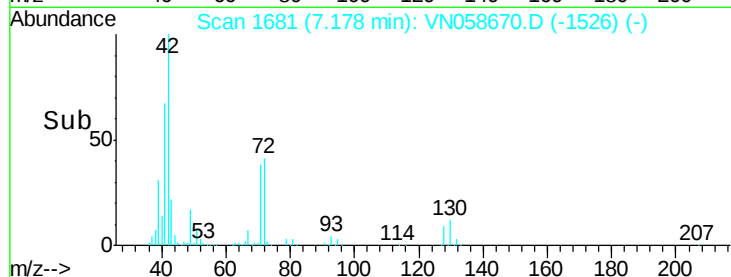
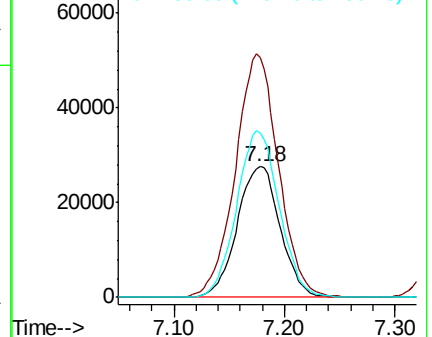
130 126.1 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 78.876 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058670.D

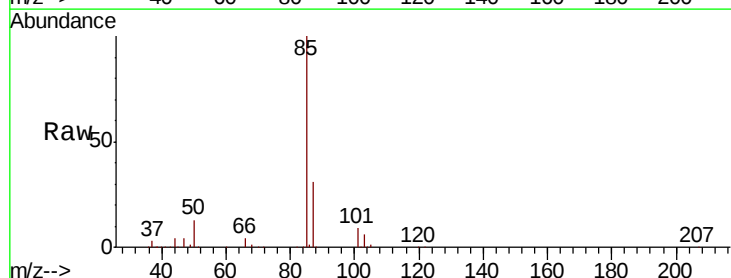
Acq: 10 Oct 2019 17:28

Tgt Ion: 85 Resp: 348010

Ion Ratio Lower Upper

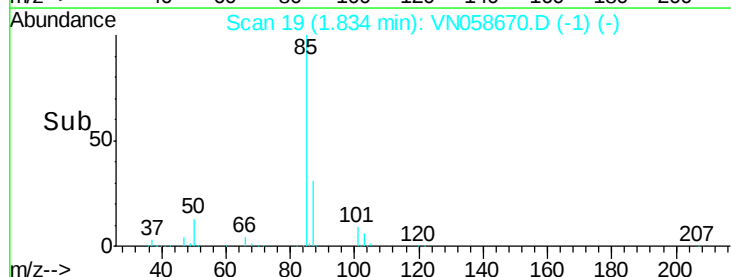
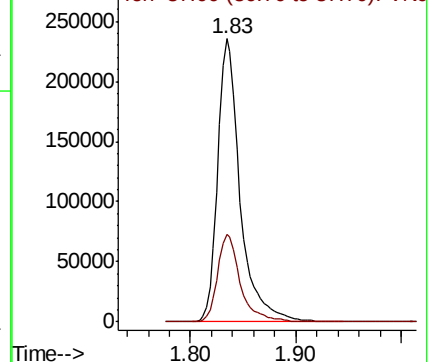
85 100

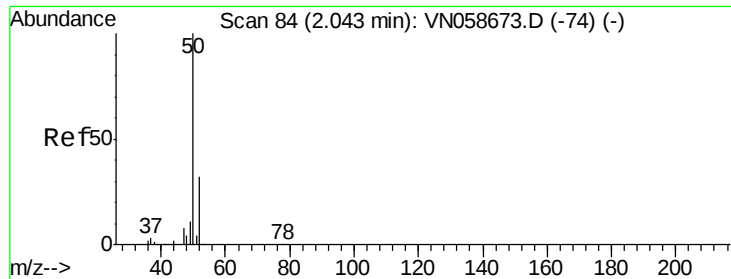
87 31.1 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 85.756 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

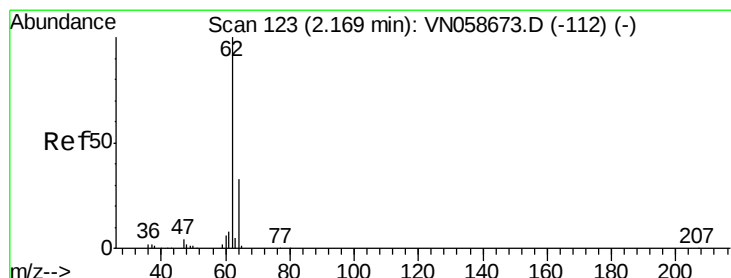
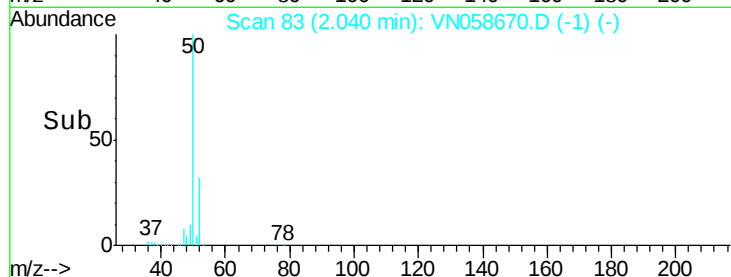
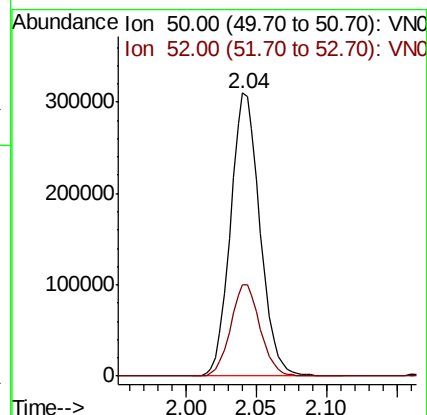
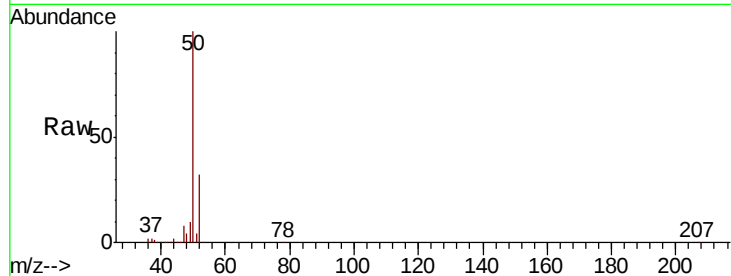
VSTDIC100

Tot Ion: 50 Resp: 452044

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.8



#4

Vinyl Chloride

Concen: 90.101 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058670.D

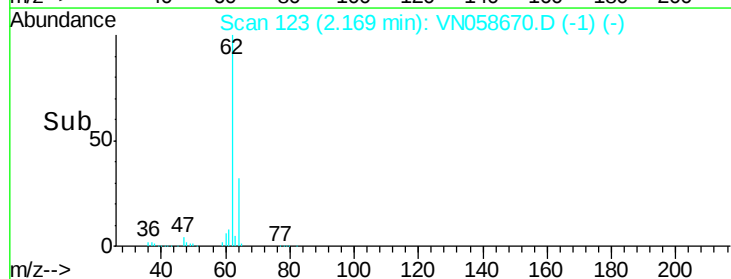
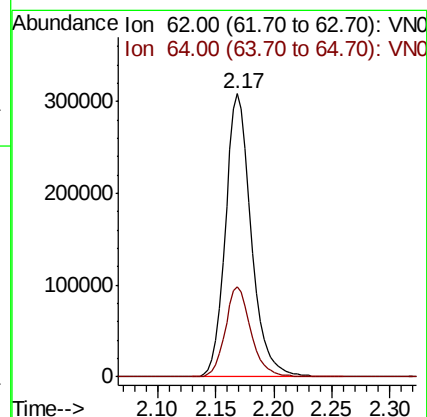
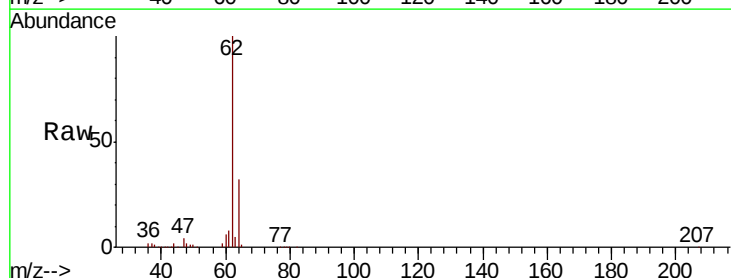
Acq: 10 Oct 2019 17:28

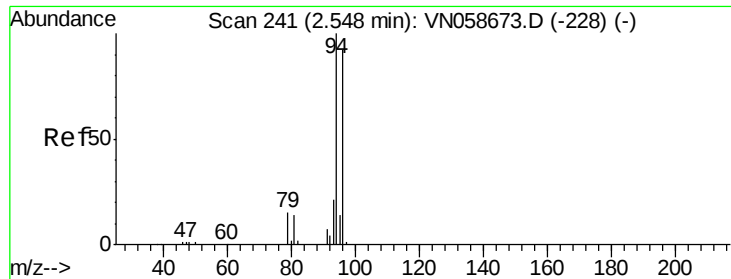
Tgt Ion: 62 Resp: 476688

Ion Ratio Lower Upper

62 100

64 32.0 26.1 39.1





#5

Bromomethane

Concen: 94.398 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. -0.02 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

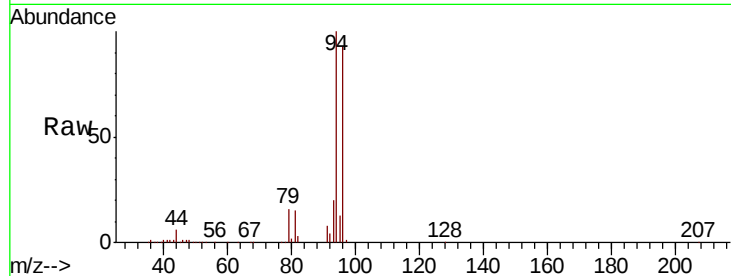
VSTDIC100

Tot Ion: 94 Resp: 284741

Ion Ratio Lower Upper

94 100

96 93.2 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN058670.D (-236) (-)

Ion 96.00 (95.70 to 96.70): VN058670.D (-236) (-)

2.53

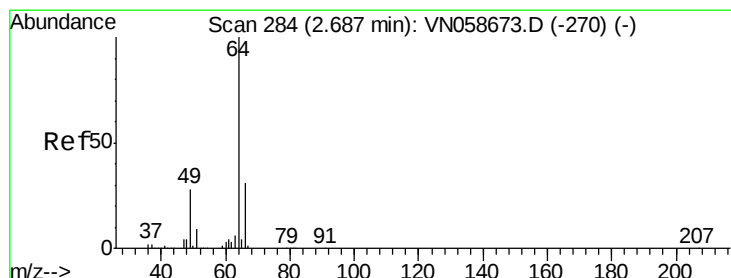
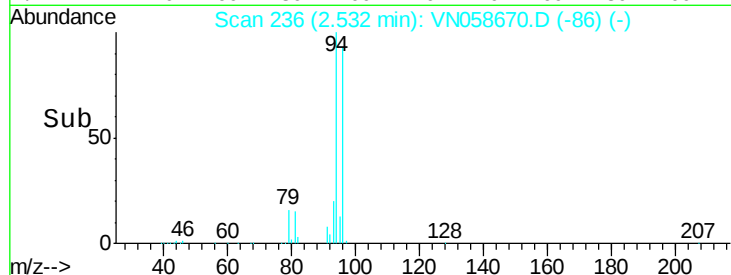
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 92.179 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN058670.D

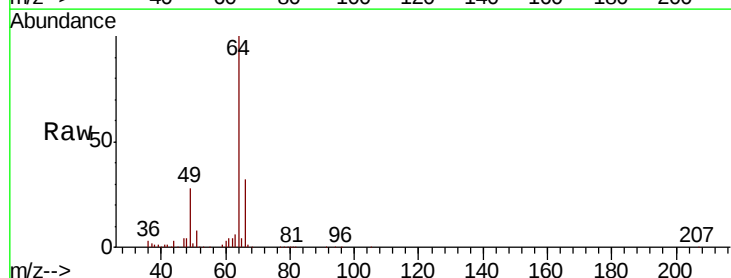
Acq: 10 Oct 2019 17:28

Tgt Ion: 64 Resp: 290912

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN058670.D (-281) (-)

Ion 66.00 (65.70 to 66.70): VN058670.D (-281) (-)

2.68

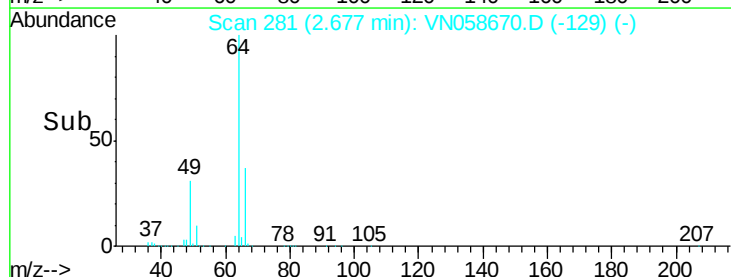
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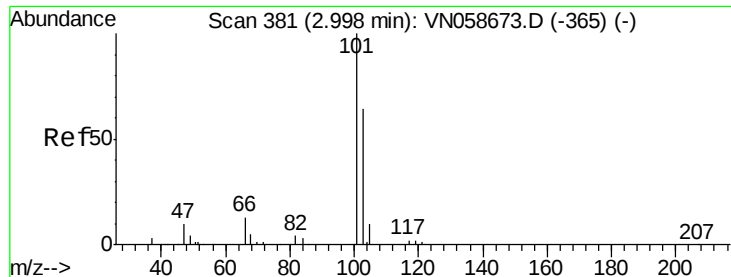
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50000

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Time-->



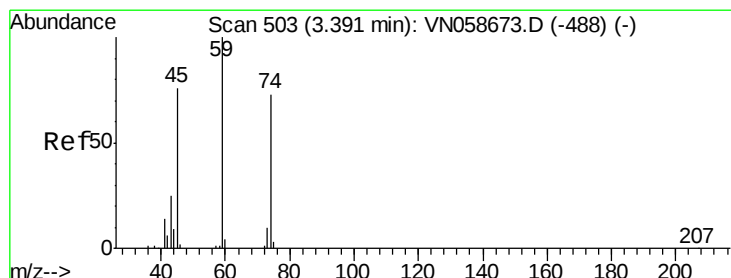
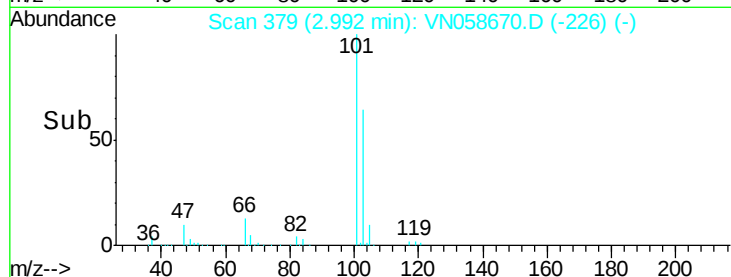
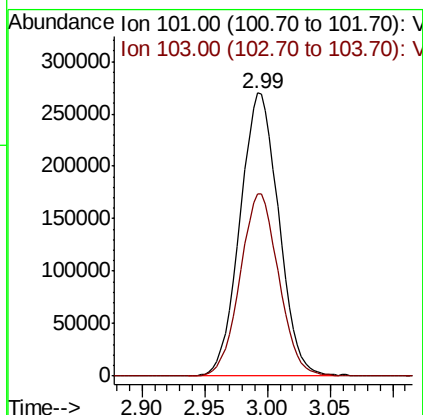
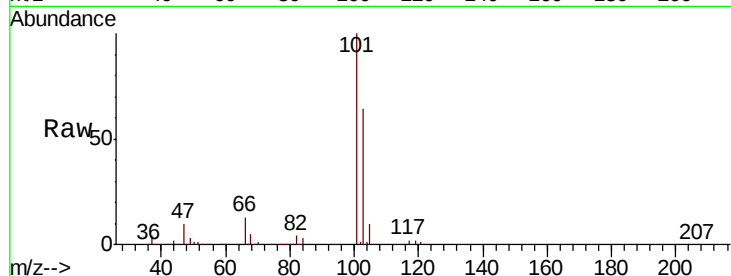


#7

Trichlorofluoromethane
Concen: 92.958 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.01 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

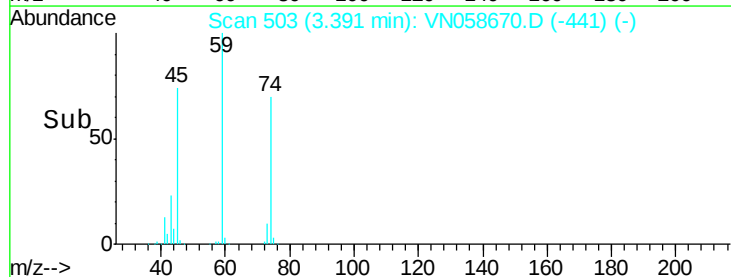
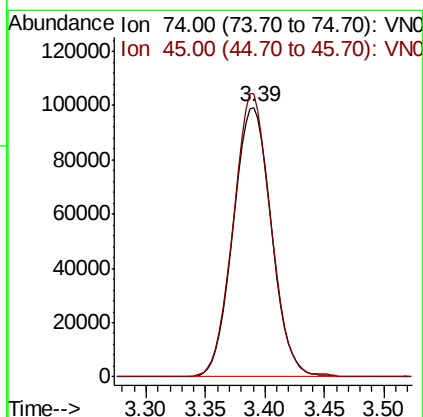
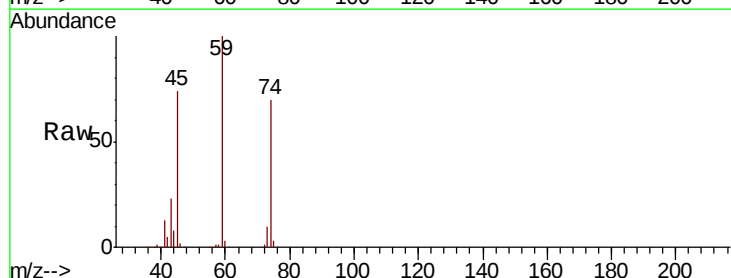
Tot Ion:101 Resp: 581189
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3

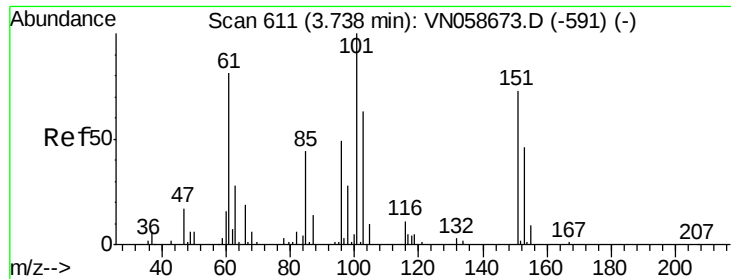


#8

Diethyl Ether
Concen: 81.665 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion: 74 Resp: 221849
Ion Ratio Lower Upper
74 100
45 103.0 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.286 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

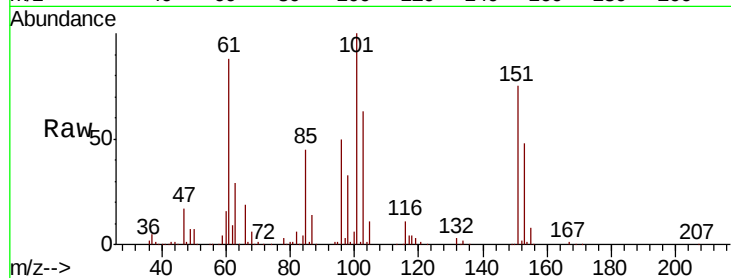
Tot Ion:101 Resp: 334973

Ion Ratio Lower Upper

101 100

85 45.1 0.0 93.8

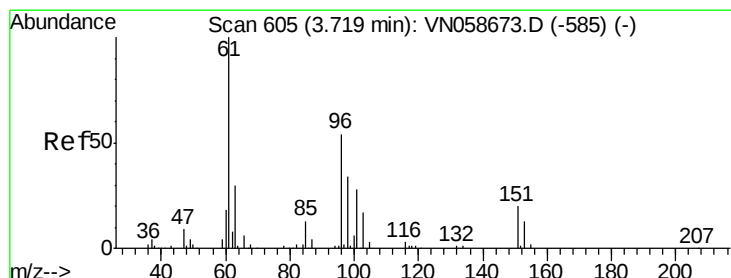
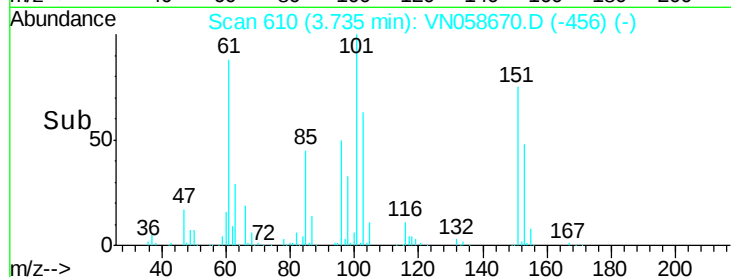
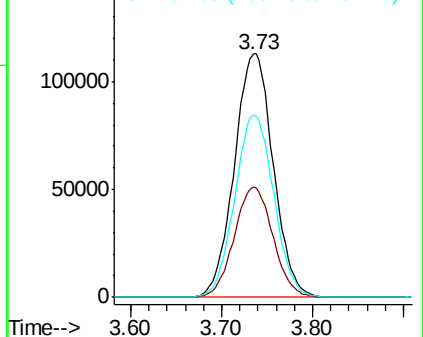
151 75.2 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 78.687 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

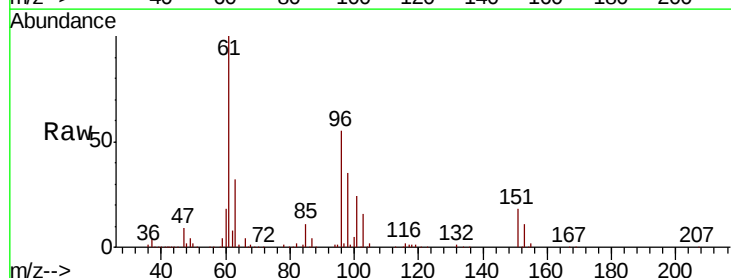
Tgt Ion: 96 Resp: 321539

Ion Ratio Lower Upper

96 100

61 180.7 148.5 222.7

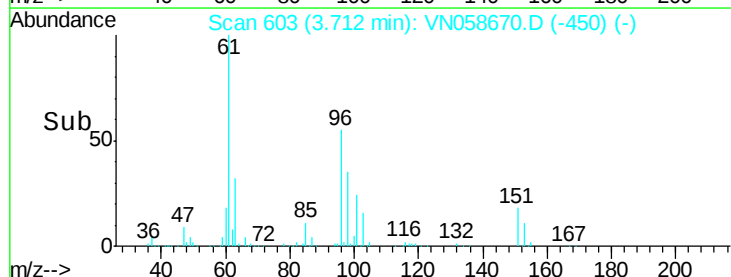
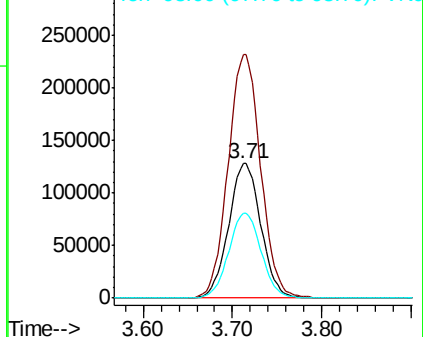
98 63.1 51.0 76.6

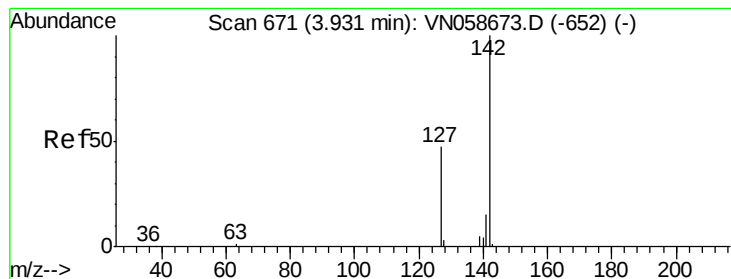


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methyl Iodide

Concen: 104.486 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

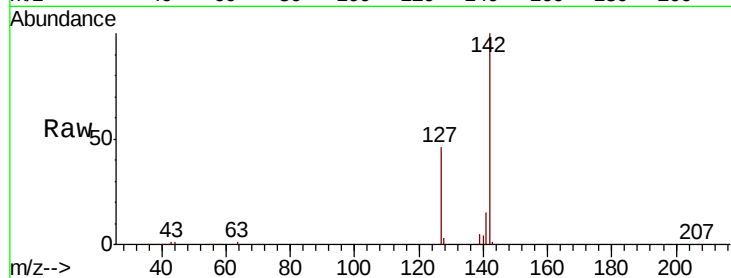
Tot Ion:142 Resp: 475021

Ion Ratio Lower Upper

142 100

127 46.0 23.5 70.6

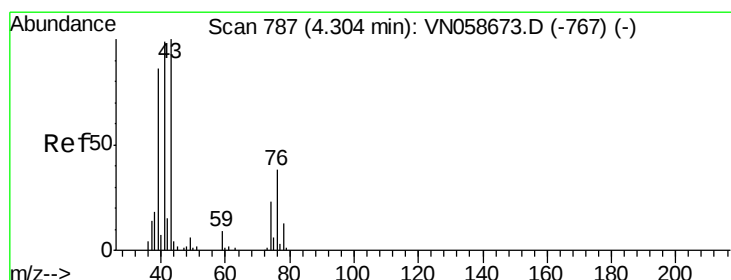
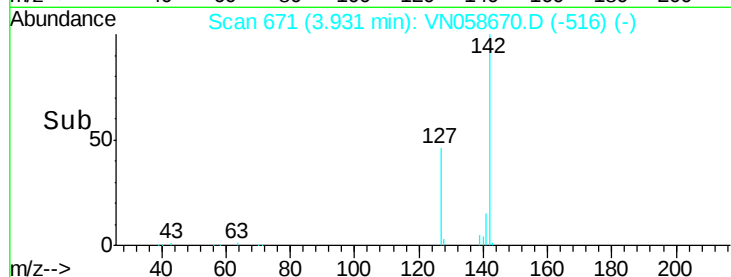
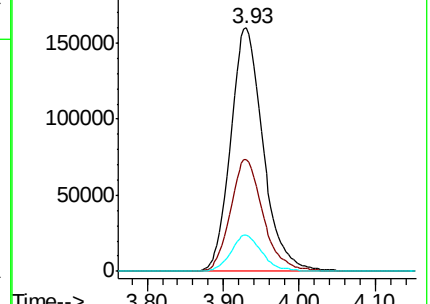
141 14.9 7.4 22.2



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 93.132 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058670.D

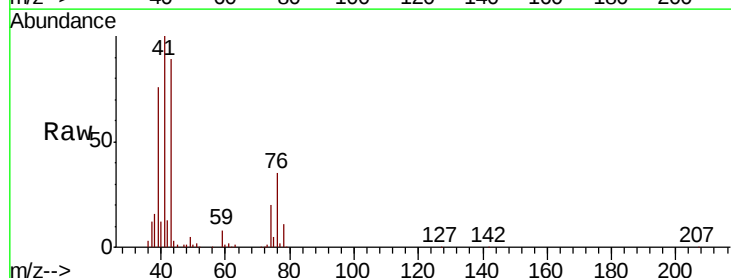
Acq: 10 Oct 2019 17:28

Tgt Ion: 43 Resp: 527496

Ion Ratio Lower Upper

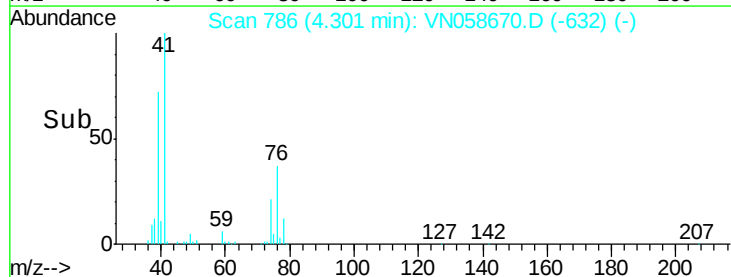
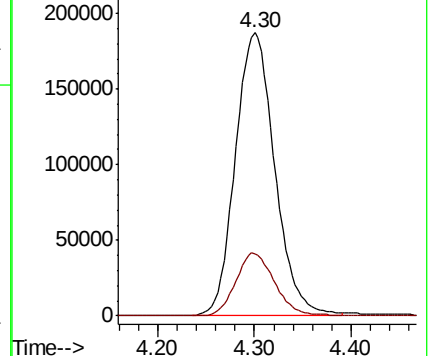
43 100

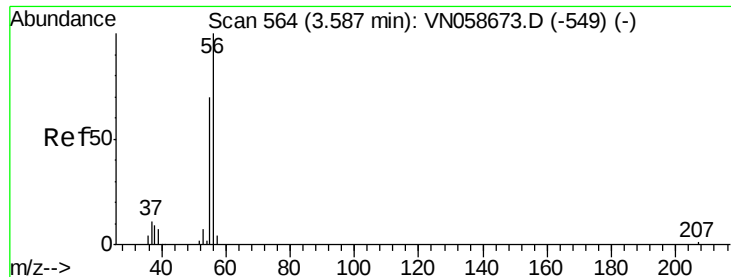
74 22.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 1109.904 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

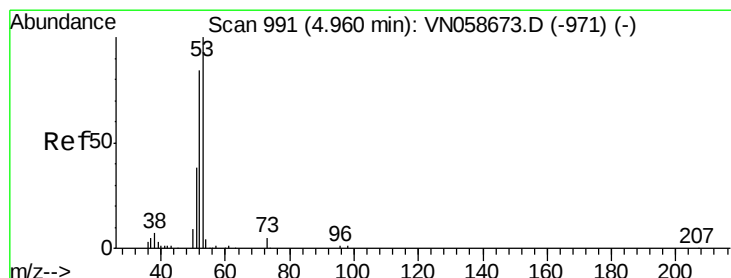
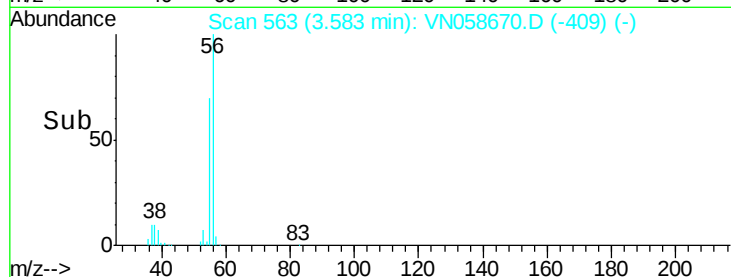
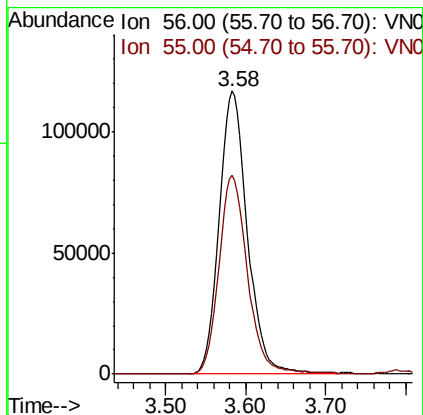
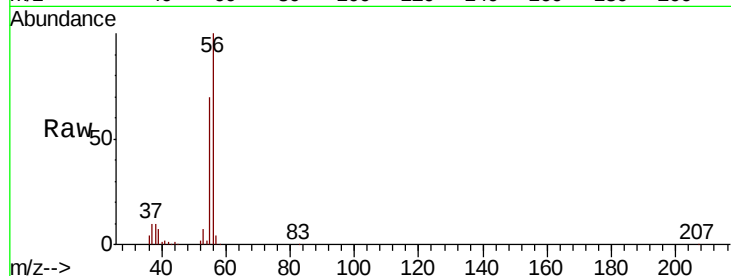
VSTDIC100

Tot Ion: 56 Resp: 284880

Ion Ratio Lower Upper

56 100

55 70.5 55.9 83.9



#14

Acrylonitrile

Concen: 474.295 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

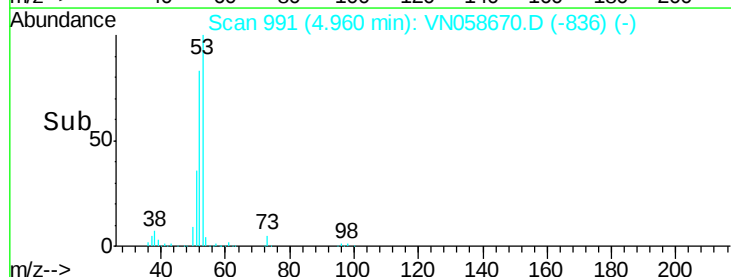
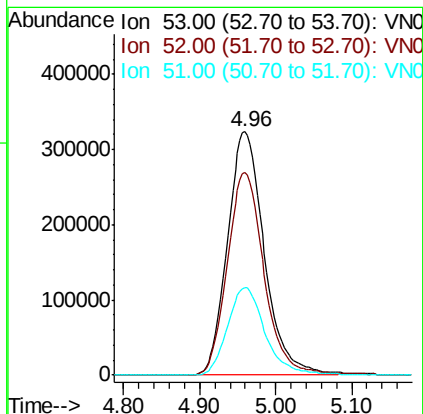
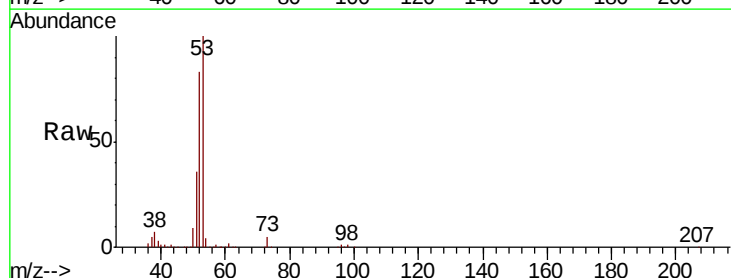
Tgt Ion: 53 Resp: 1089479

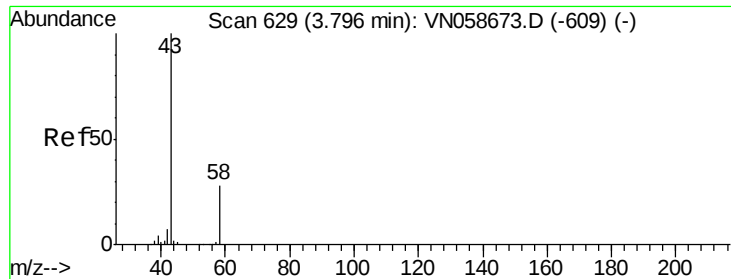
Ion Ratio Lower Upper

53 100

52 83.0 42.2 126.6

51 36.6 18.8 56.4





#15

Acetone

Concen: 492.988 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

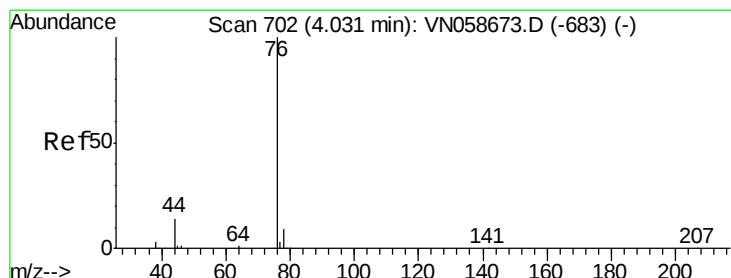
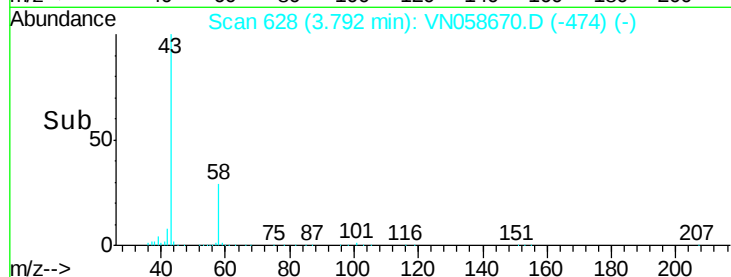
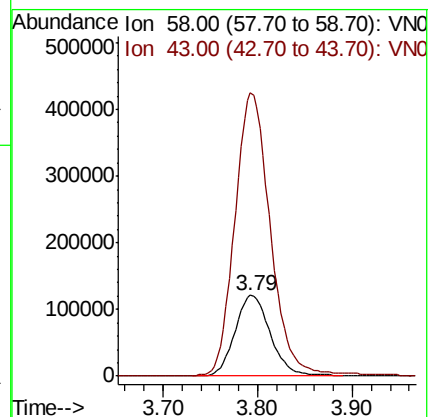
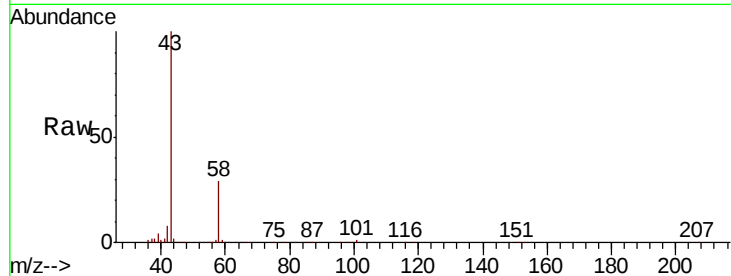
VSTDIC100

Tot Ion: 58 Resp: 313506

Ion Ratio Lower Upper

58 100

43 350.1 281.7 422.5



#16

Carbon Disulfide

Concen: 82.154 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058670.D

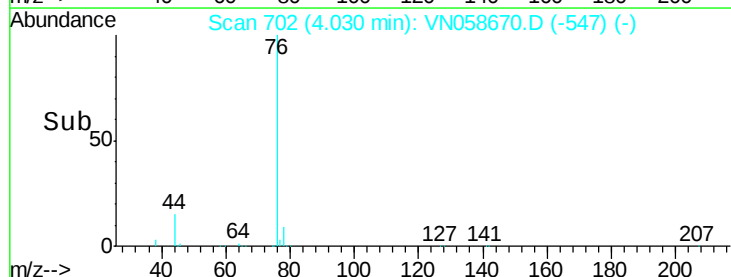
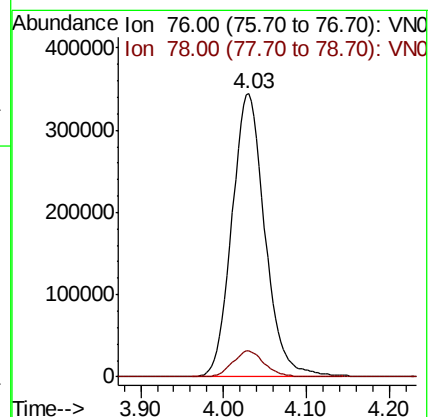
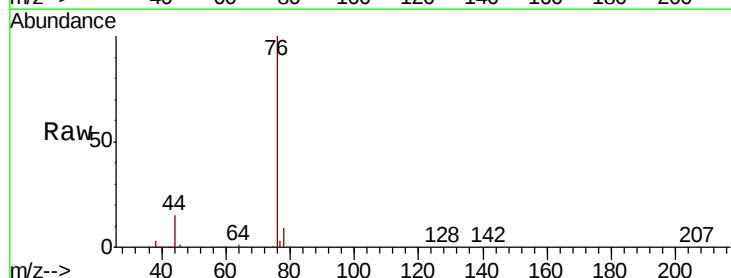
Acq: 10 Oct 2019 17:28

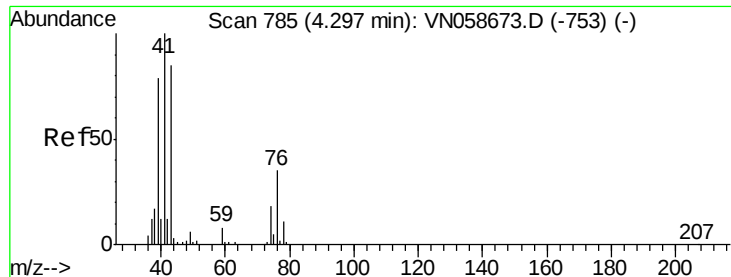
Tgt Ion: 76 Resp: 954745

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

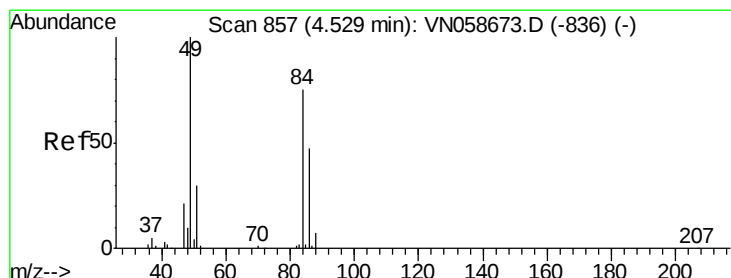
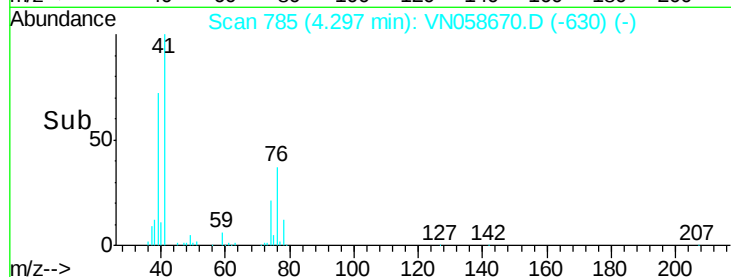
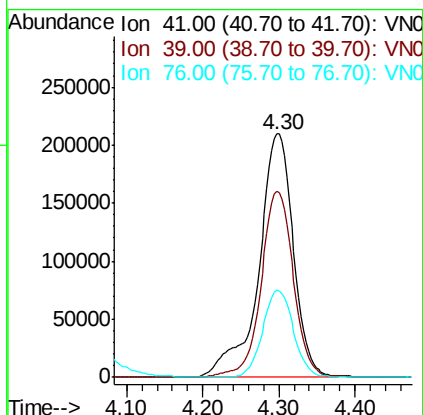
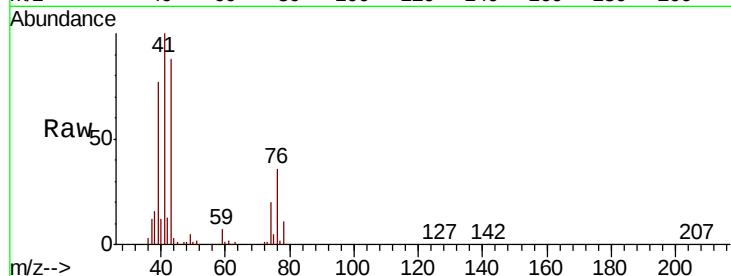




#17
Allvl chloride
Concen: 85.613 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

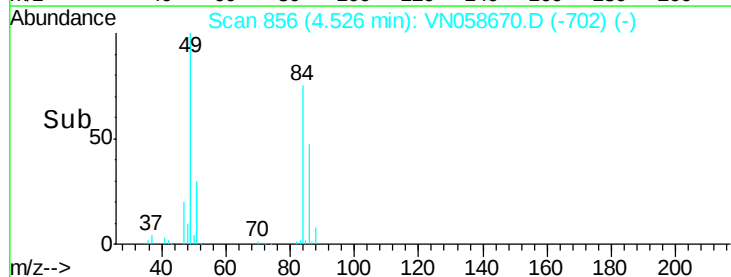
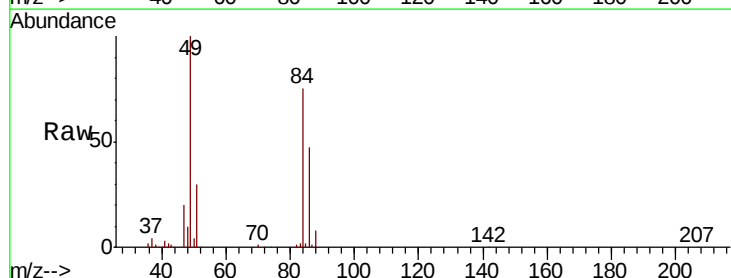
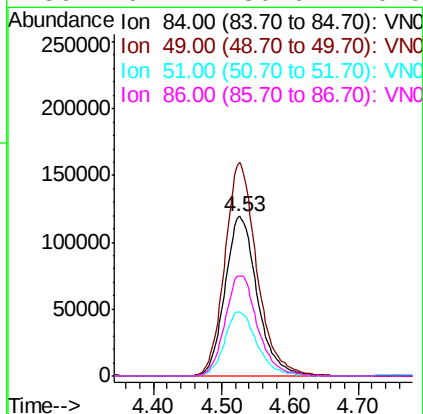
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

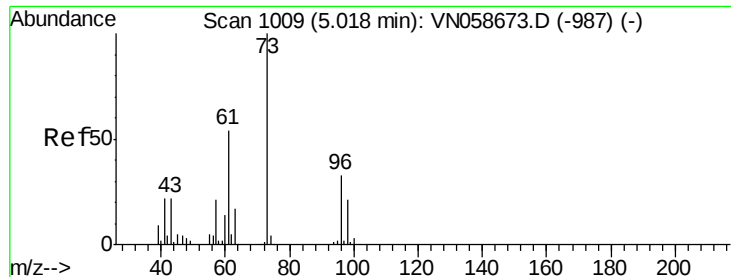
Tot Ion: 41 Resp: 662865
Ion Ratio Lower Upper
41 100
39 76.5 39.6 118.8
76 35.4 17.6 52.9



#18
Methylene Chloride
Concen: 81.353 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion: 84 Resp: 393444
Ion Ratio Lower Upper
84 100
49 133.7 106.6 160.0
51 39.7 32.4 48.6
86 62.4 50.6 76.0

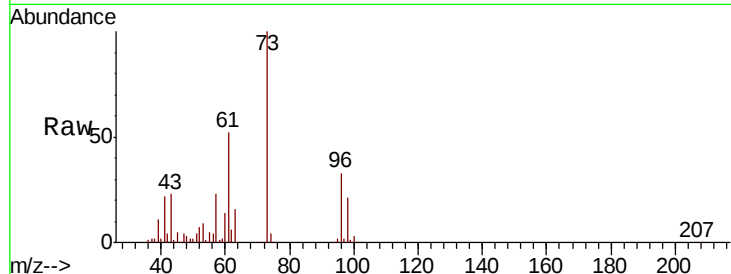




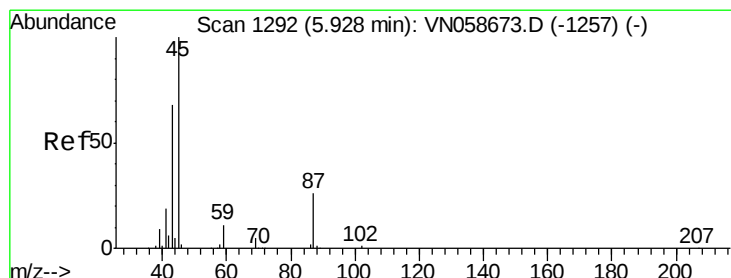
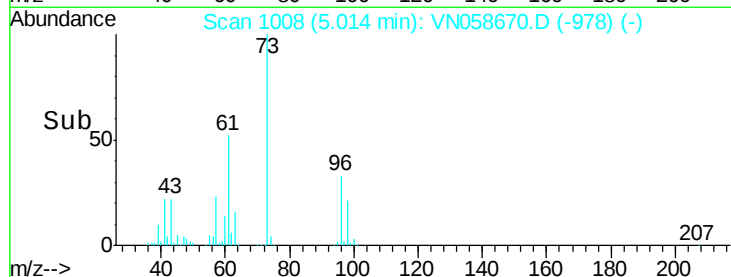
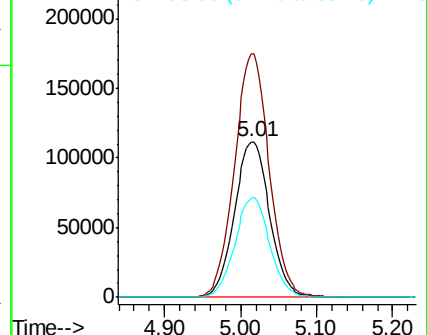
#19
trans-1,2-Dichloroethene
Concen: 78.427 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 358084
Ion Ratio Lower Upper
96 100
61 156.6 131.8 197.6
98 64.1 52.6 79.0

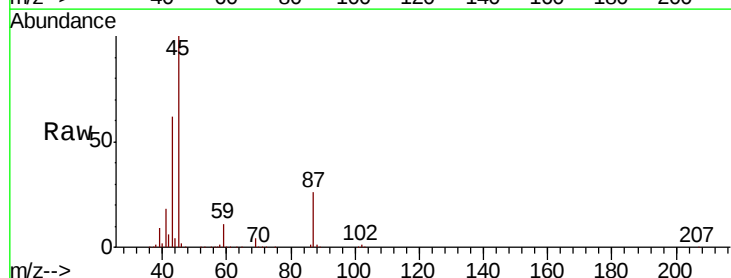


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

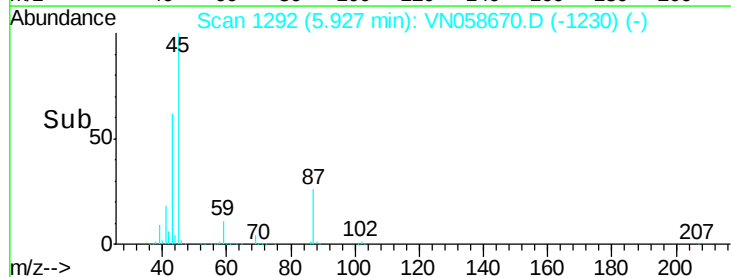
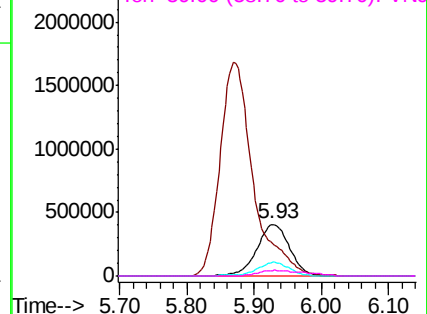


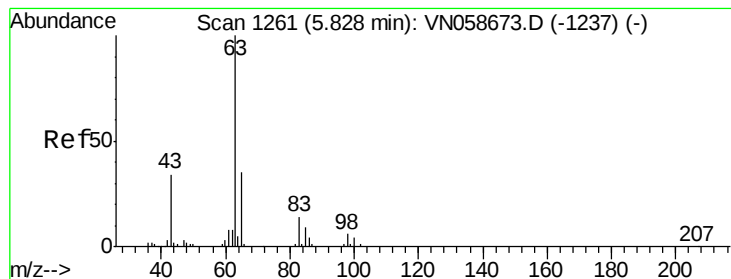
#20
Diisopropyl ether
Concen: 84.235 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion: 45 Resp: 1378311
Ion Ratio Lower Upper
45 100
43 61.4 54.7 82.1
87 26.0 21.5 32.3
59 10.9 8.7 13.1



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





#21

1,1-Dichloroethane

Concen: 81.571 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

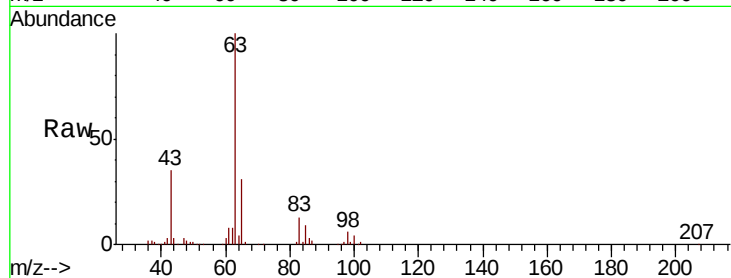
Tot Ion: 63 Resp: 744346

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

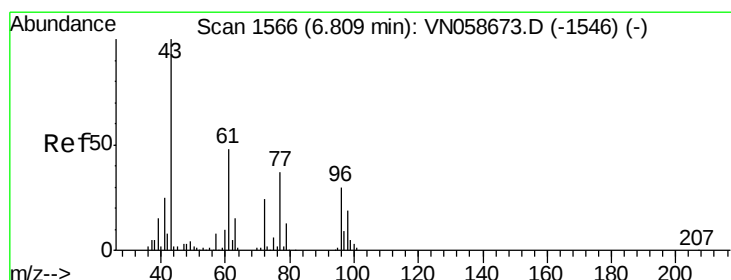
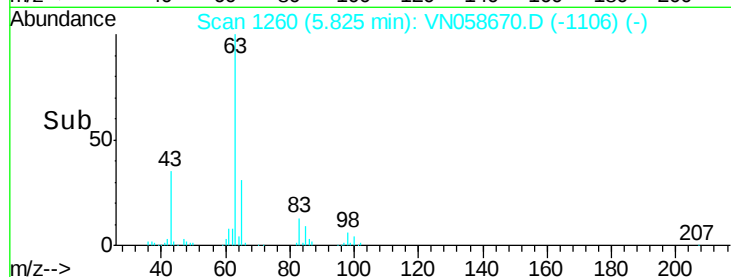
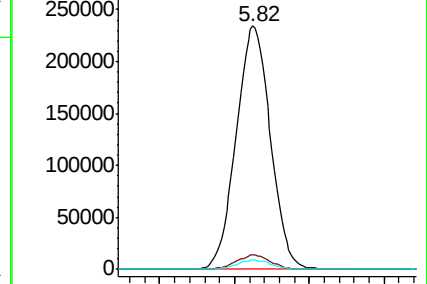
100 3.7 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN058670.D (-1106) (-)

Ion 98.00 (97.70 to 98.70): VN058670.D (-1106) (-)

Ion 100.00 (99.70 to 100.70): VN058670.D (-1106) (-)



#22

cis-1,2-Dichloroethene

Concen: 81.068 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

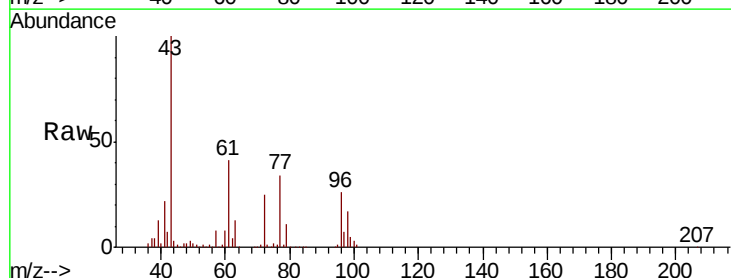
Tgt Ion: 96 Resp: 431705

Ion Ratio Lower Upper

96 100

61 161.3 127.2 190.8

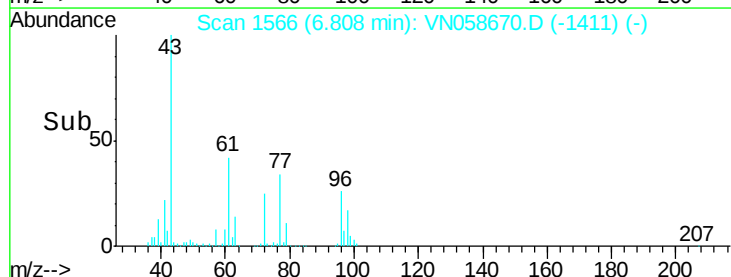
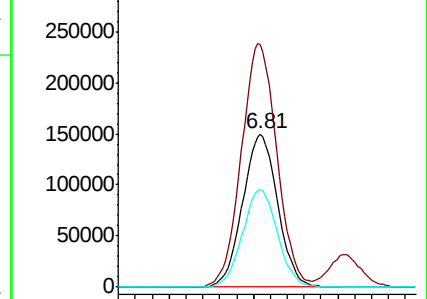
98 64.0 50.5 75.7

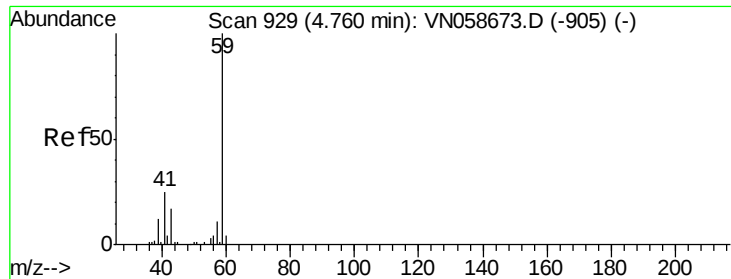


Abundance Ion 96.00 (95.70 to 96.70): VN058670.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN058670.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN058670.D (-1411) (-)





#23

tert-Butyl Alcohol

Concen: 500.281 ug/l

RT: 4.76 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

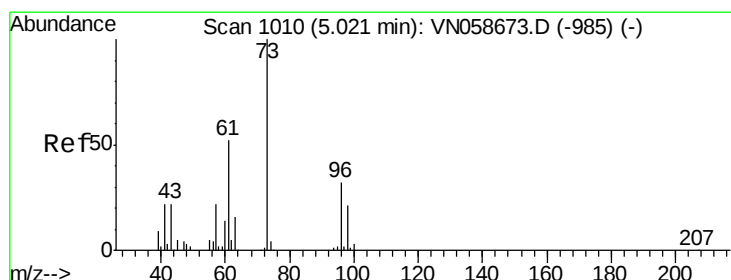
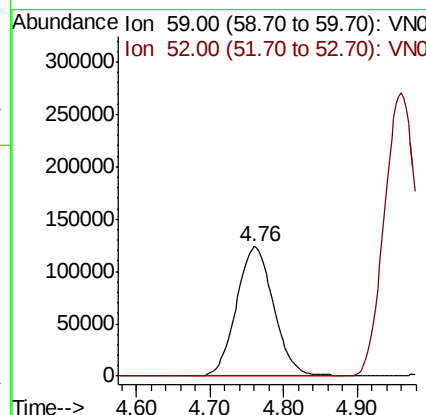
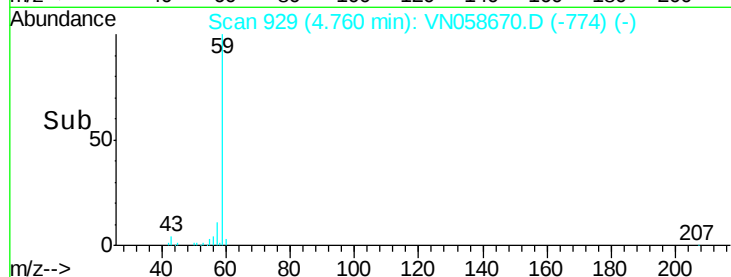
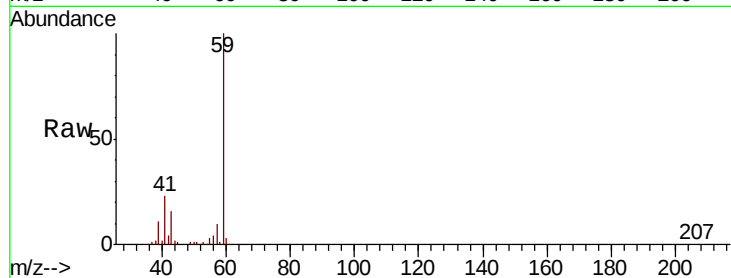
VSTDIC100

Tot Ion: 59 Resp: 435685

Ion Ratio Lower Upper

59 100

52 0.1 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 85.104 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058670.D

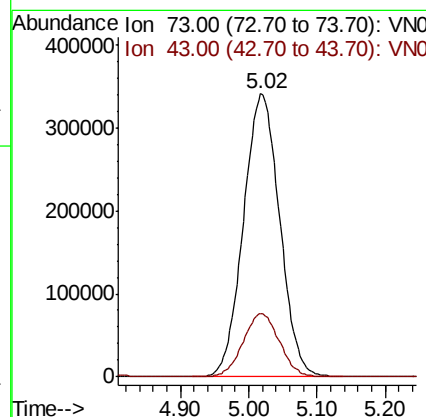
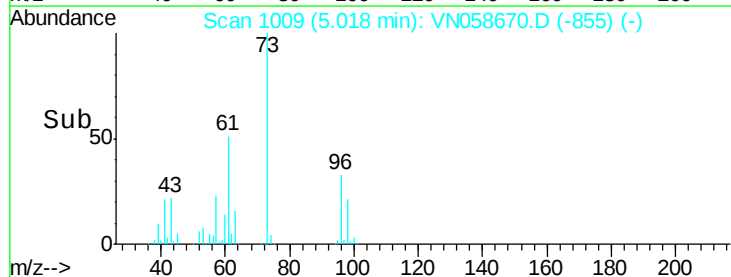
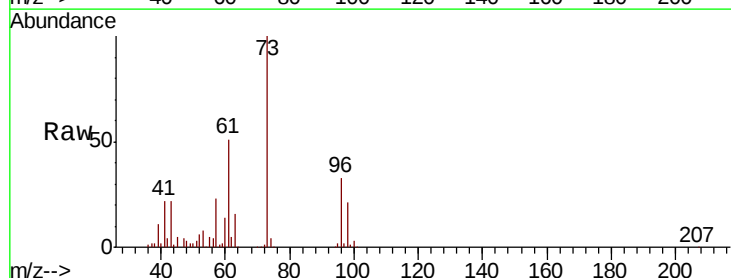
Acq: 10 Oct 2019 17:28

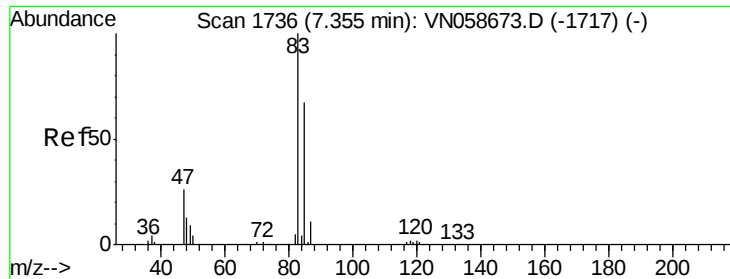
Tgt Ion: 73 Resp: 1258158

Ion Ratio Lower Upper

73 100

43 22.1 17.9 26.9





#25

Chloroform

Concen: 80.385 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

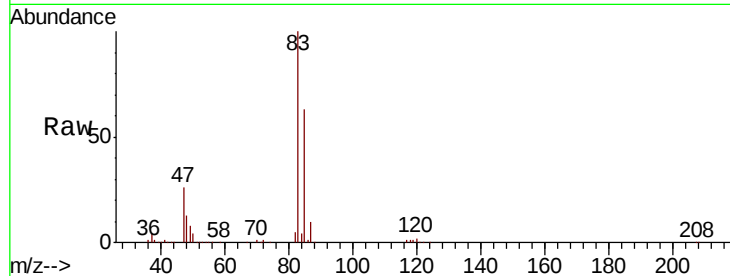
VSTDIC100

Tot Ion: 83 Resp: 741916

Ion Ratio Lower Upper

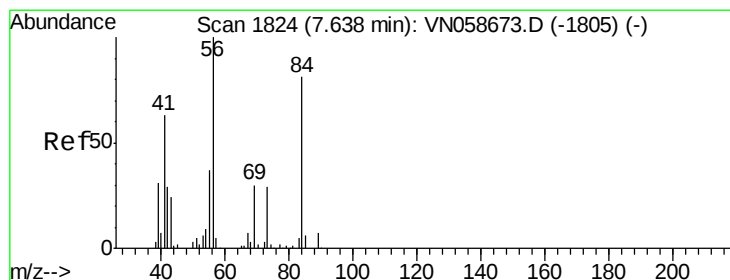
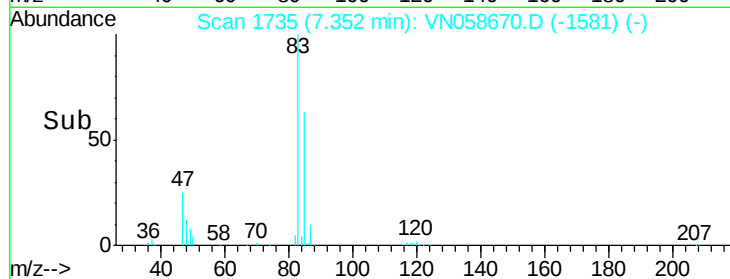
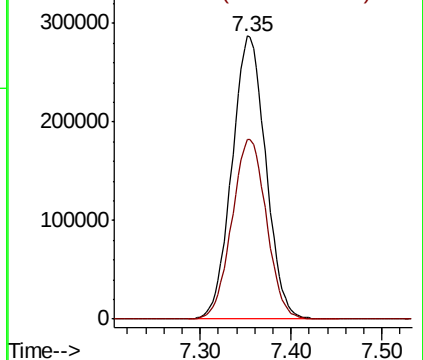
83 100

85 63.3 53.8 80.8



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 78.981 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

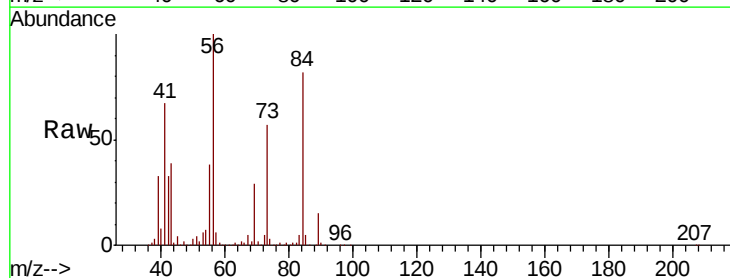
Tgt Ion: 56 Resp: 664101

Ion Ratio Lower Upper

56 100

89 16.8 6.2 9.2#

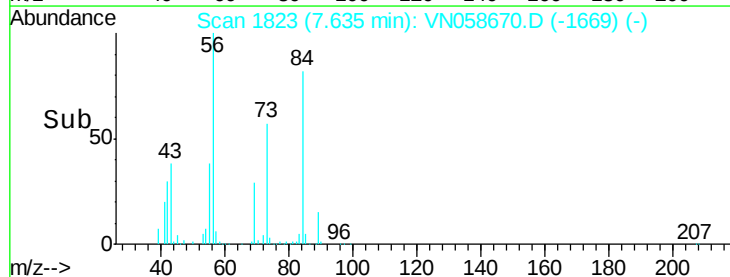
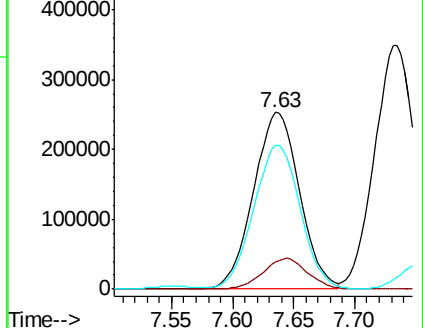
84 82.6 65.6 98.4

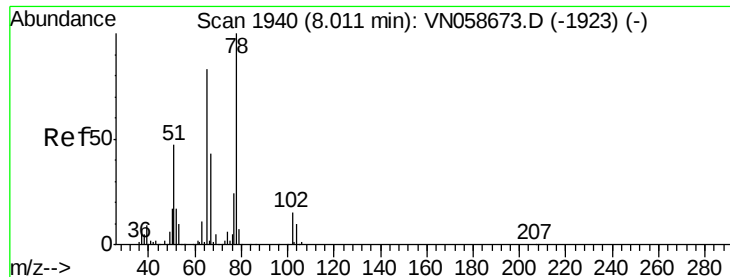


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

Ion 84.00 (83.70 to 84.70): VNO





#27

1,2-Dichloroethane-d4

Concen: 28.213 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

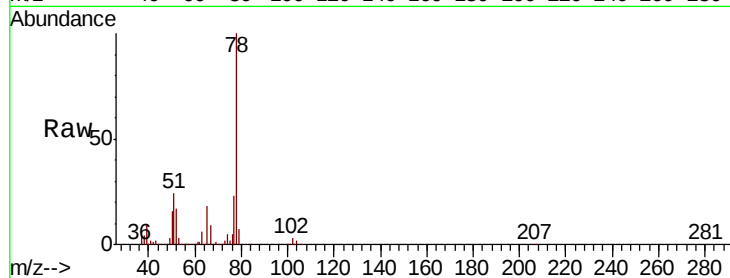
VSTDIC100

Tot Ion: 65 Resp: 184572

Ion Ratio Lower Upper

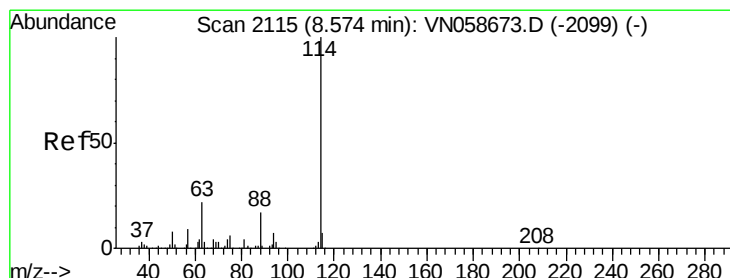
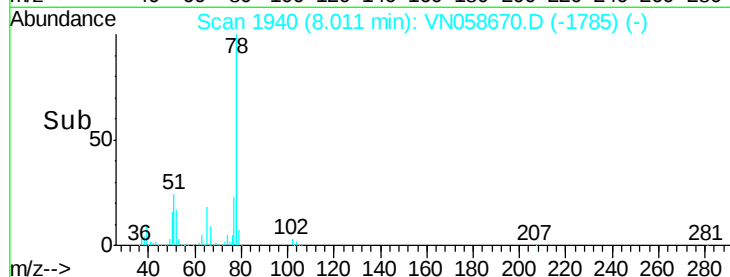
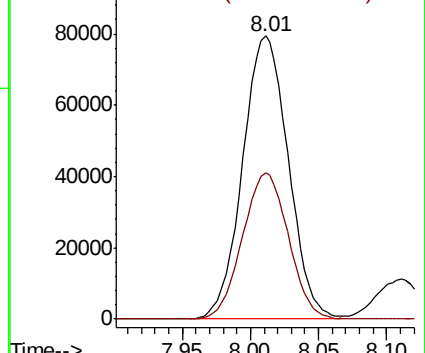
65 100

67 52.0 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

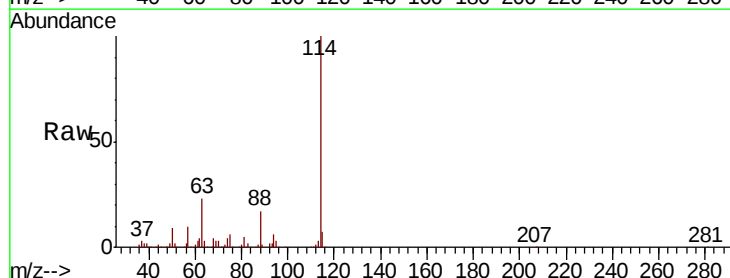
Tgt Ion: 114 Resp: 413304

Ion Ratio Lower Upper

114 100

63 22.5 18.1 27.1

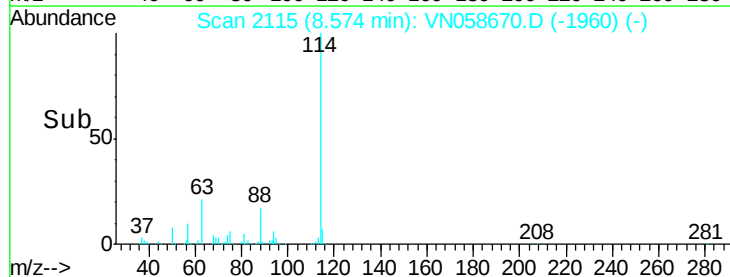
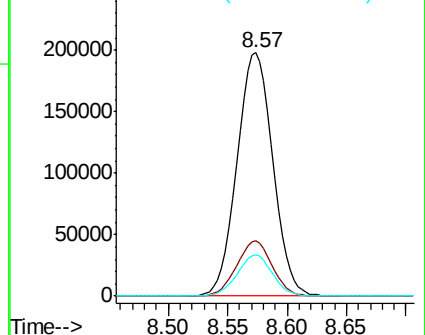
88 16.6 13.0 19.4

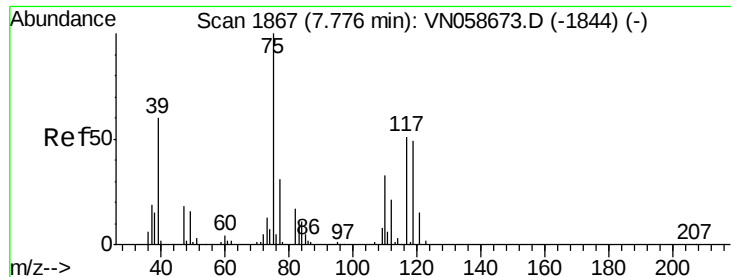


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#29

1,1-Dichloropropene

Concen: 83.592 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

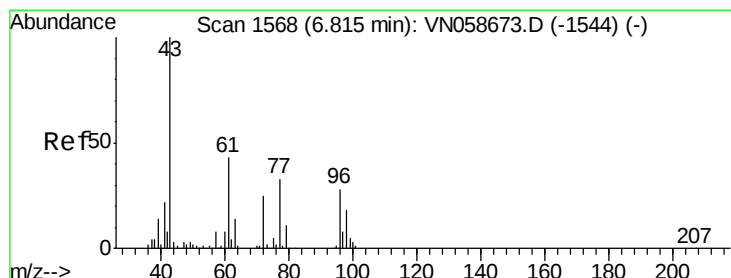
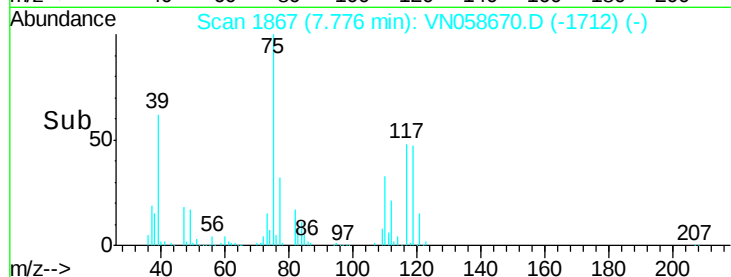
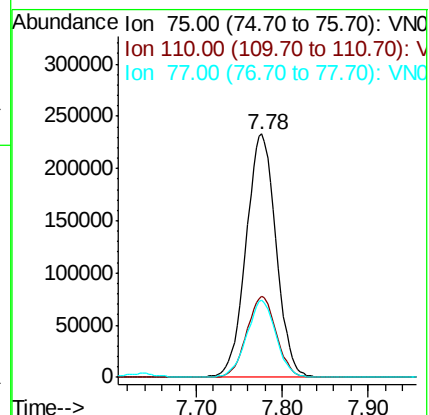
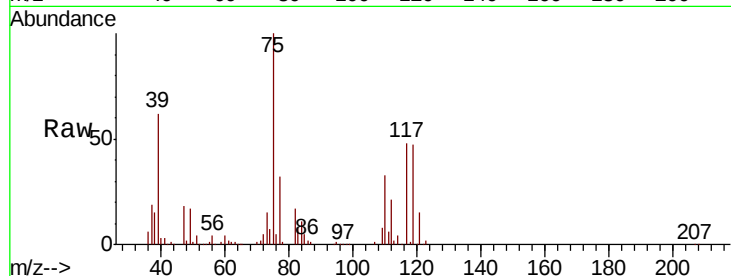
Tot Ion: 75 Resp: 564966

Ion Ratio Lower Upper

75 100

110 32.6 0.0 64.6

77 31.0 0.0 60.8



#30

2-Butanone

Concen: 522.047 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

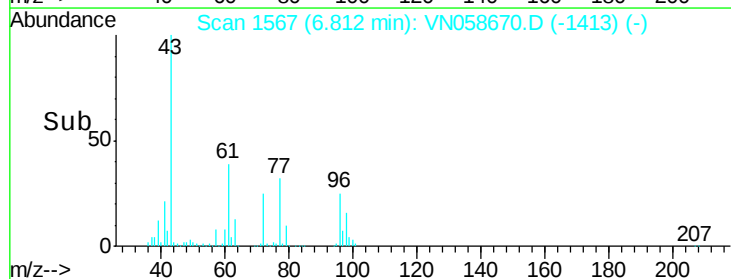
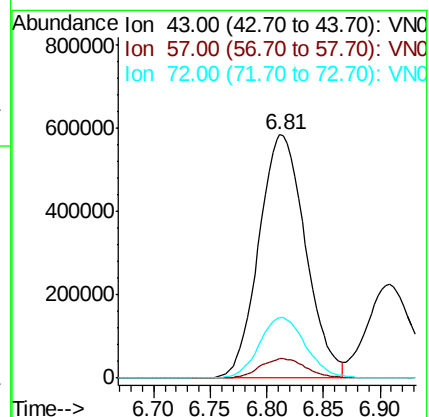
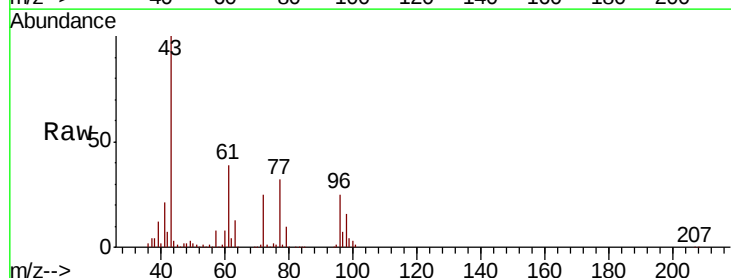
Tgt Ion: 43 Resp: 1665381

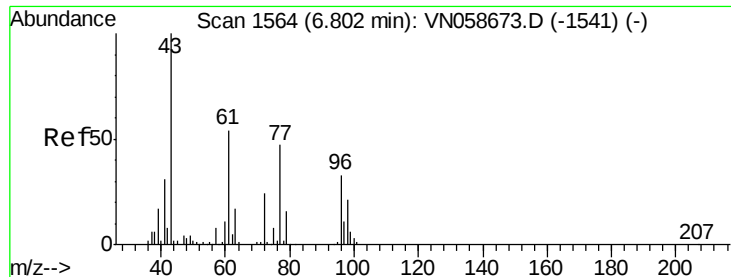
Ion Ratio Lower Upper

43 100

57 8.0 6.5 9.7

72 25.1 20.1 30.1

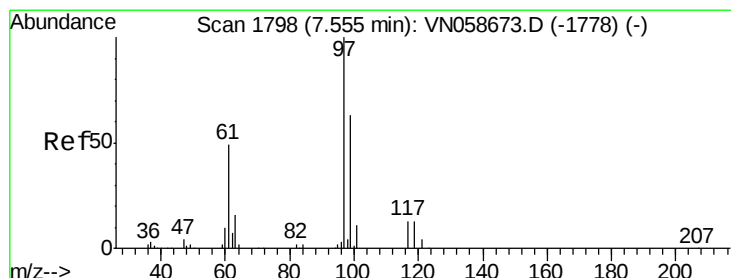
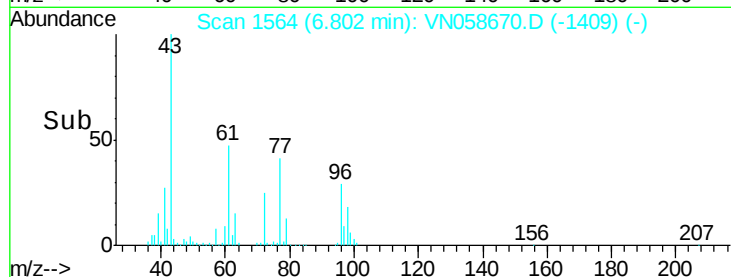
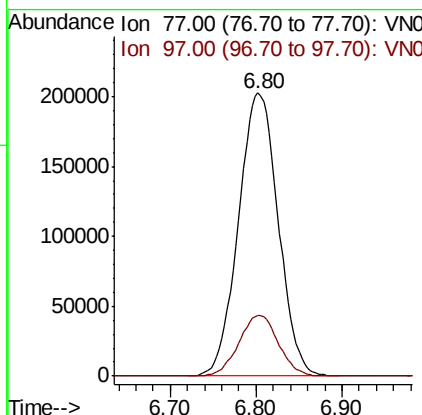
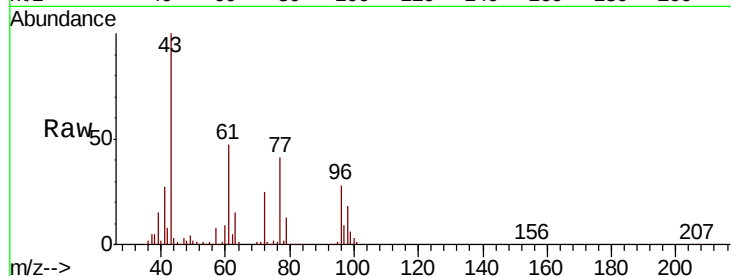




#31
 2,2-Dichloropropane
 Concen: 91.452 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

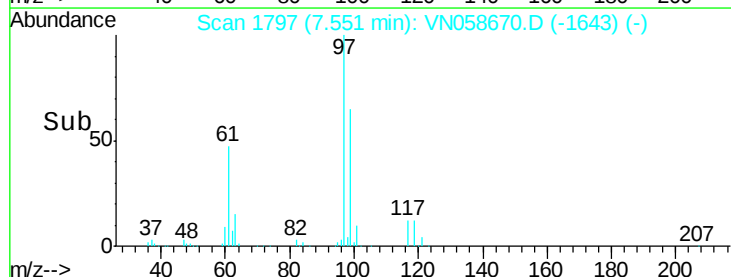
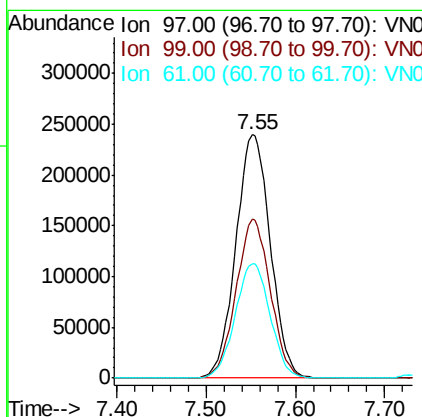
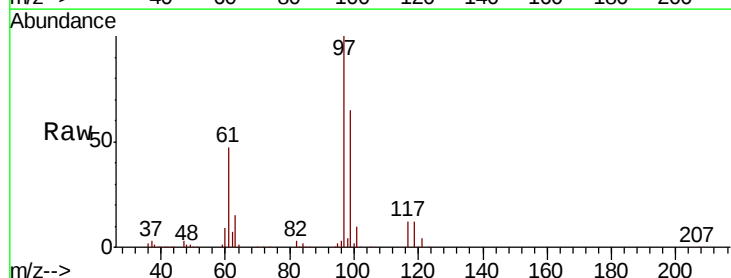
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

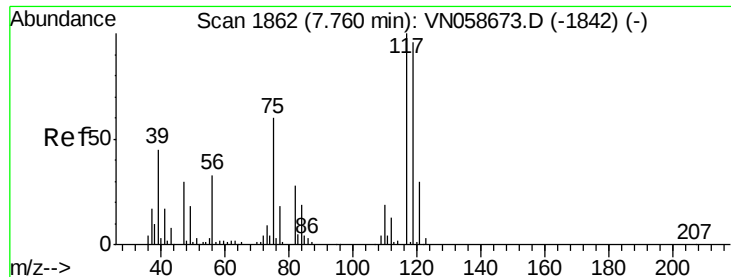
Tot Ion: 77 Resp: 650860
 Ion Ratio Lower Upper
 77 100
 97 21.3 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 86.523 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Tgt Ion: 97 Resp: 642316
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.3 76.9
 61 47.6 38.4 57.6

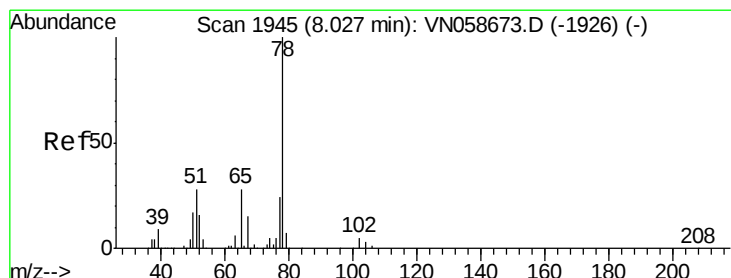
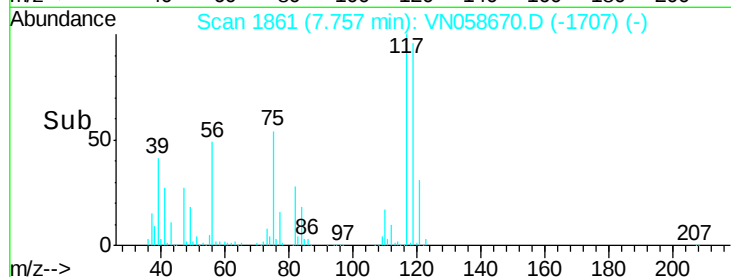
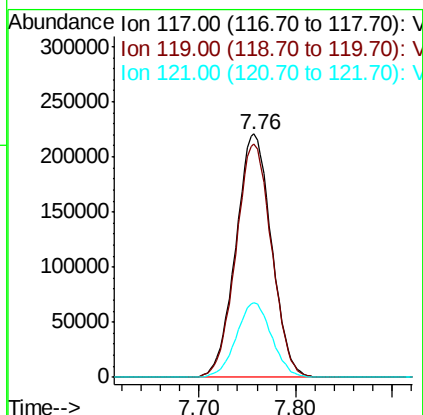
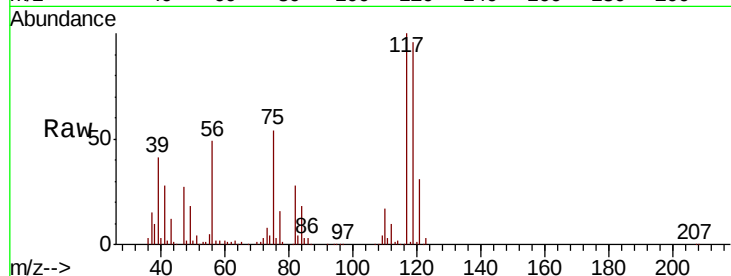




#33
Carbon Tetrachloride
Concen: 89.380 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

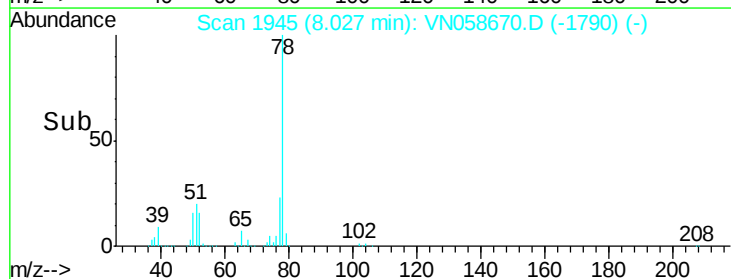
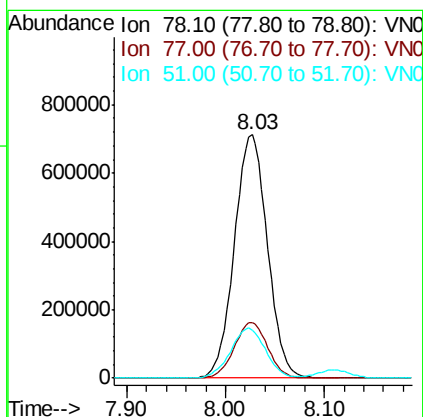
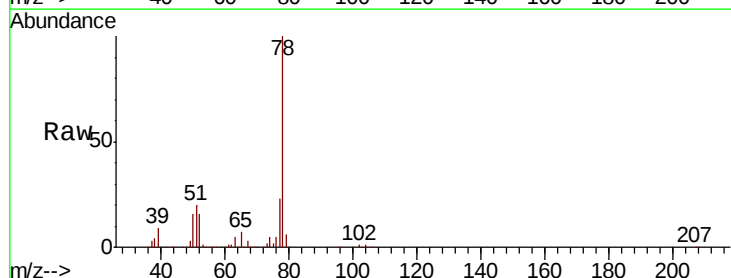
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

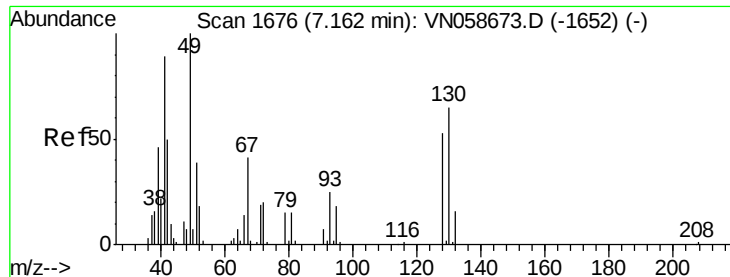
Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.9	115.3
121	30.8	23.8	35.8



#34
Benzene
Concen: 85.715 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8
51	19.7	22.1	33.1#

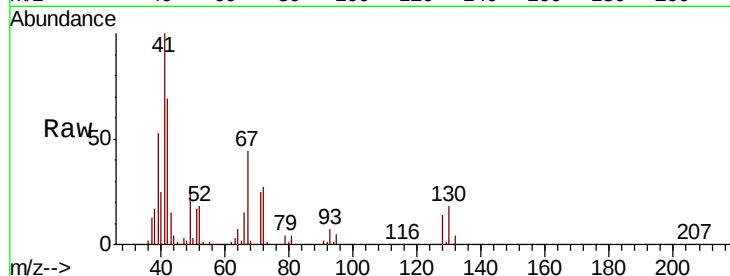




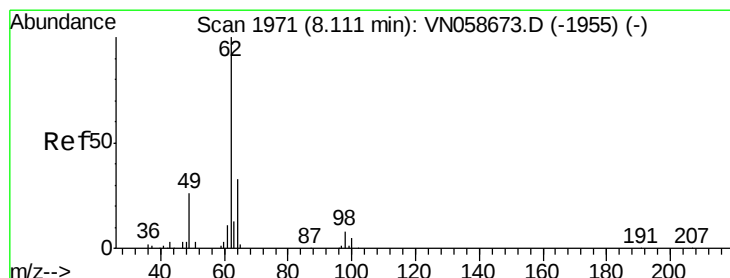
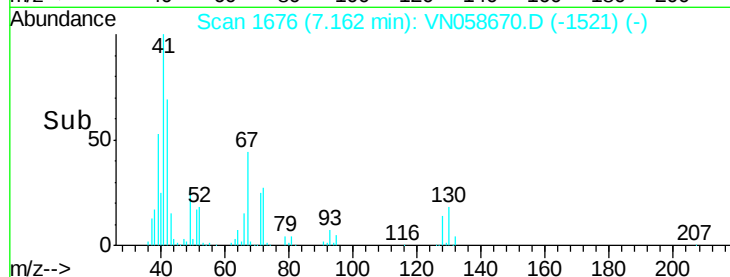
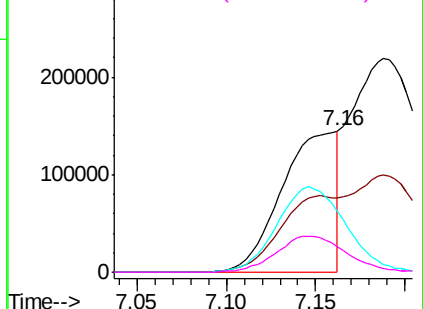
#35
Methacrylonitrile
Concen: 111.506 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 312022
Ion Ratio Lower Upper
41 100
39 52.9 25.8 77.4
67 44.0 23.0 69.0
52 18.4 10.1 30.1

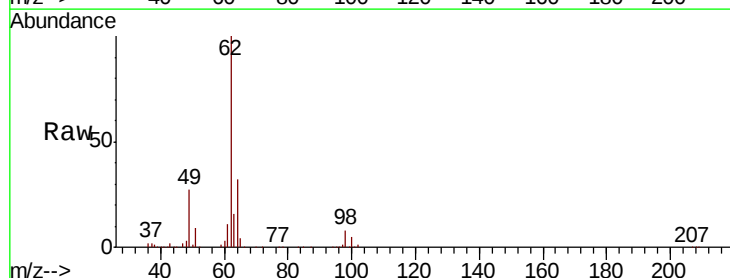


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

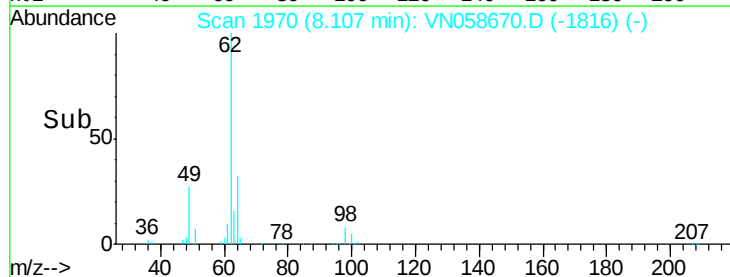
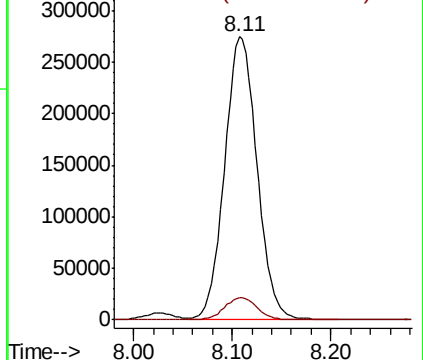


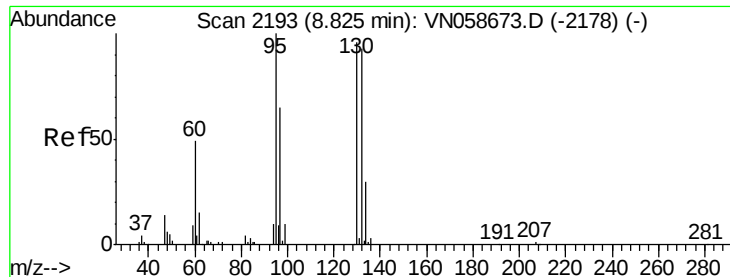
#36
1,2-Dichloroethane
Concen: 83.349 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion: 62 Resp: 629398
Ion Ratio Lower Upper
62 100
98 7.9 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

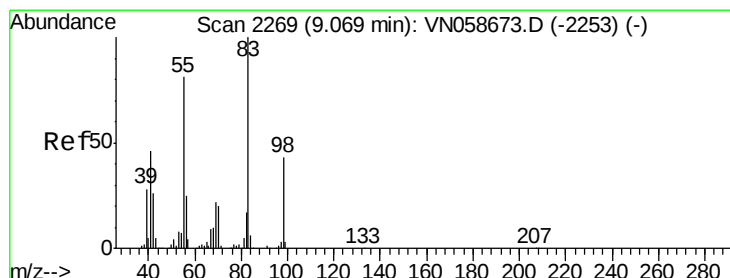
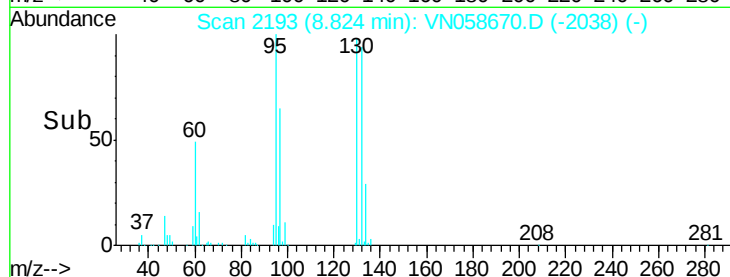
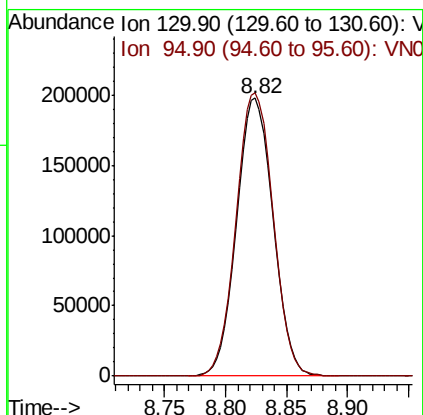
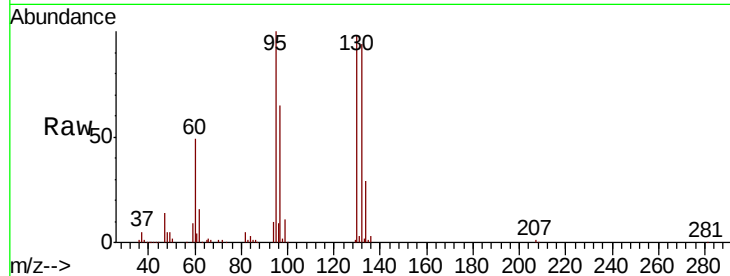




#37
 Trichloroethene
 Concen: 84.883 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

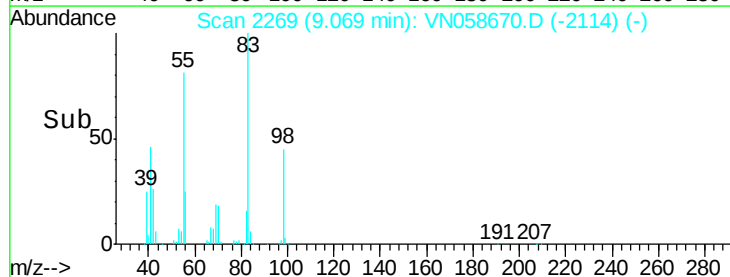
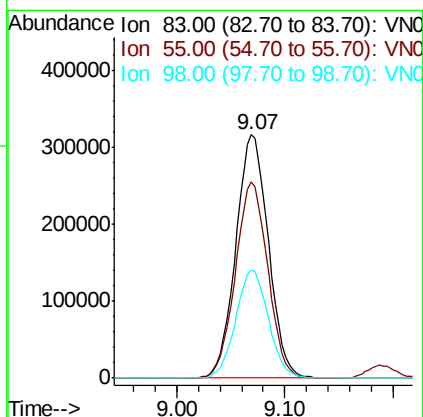
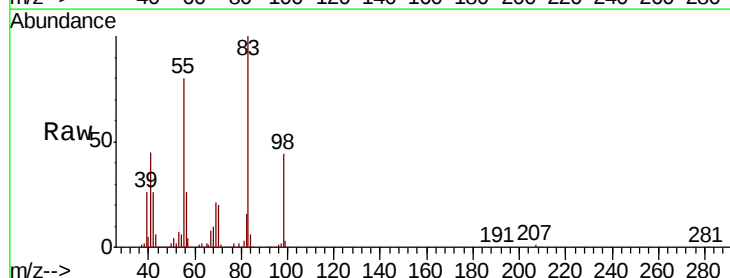
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

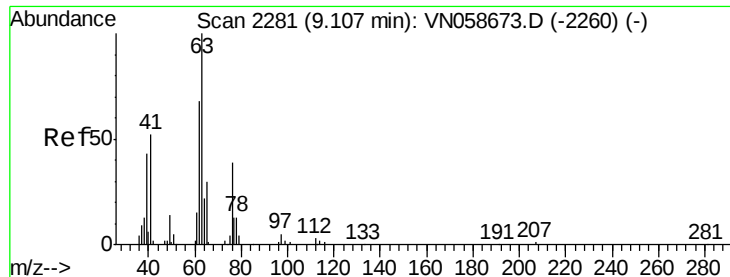
Tot Ion:130 Resp: 409298
 Ion Ratio Lower Upper
 130 100
 95 101.8 83.2 124.8



#38
 Methylcyclohexane
 Concen: 81.713 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Tgt Ion: 83 Resp: 663811
 Ion Ratio Lower Upper
 83 100
 55 80.0 40.4 121.1
 98 44.5 21.6 65.0

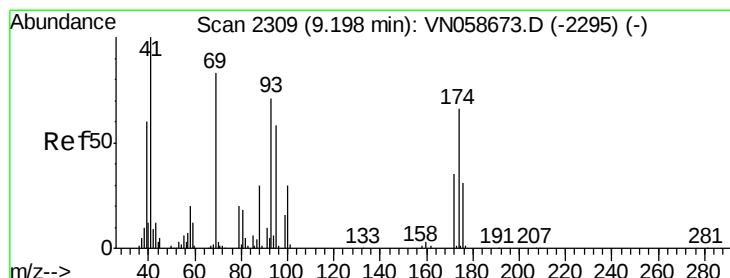
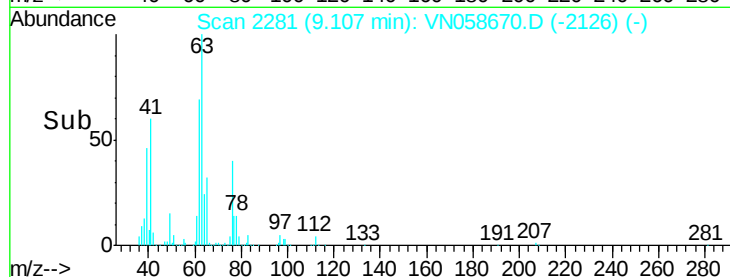
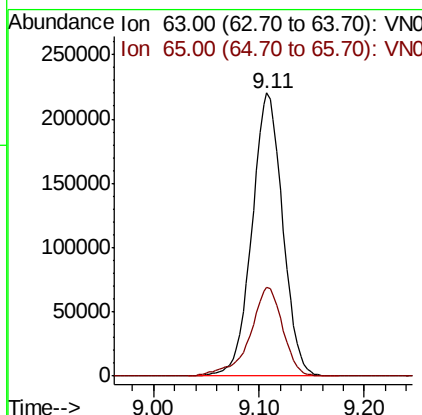
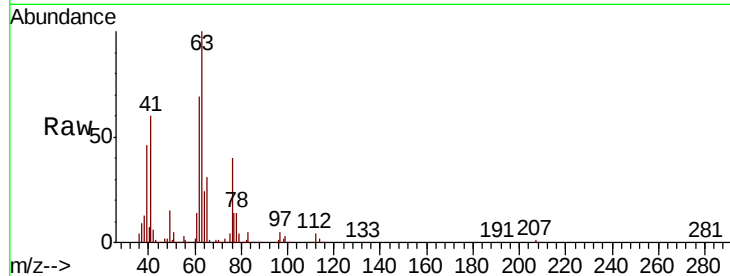




#39
 1,2-Dichloropropane
 Concen: 84.454 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

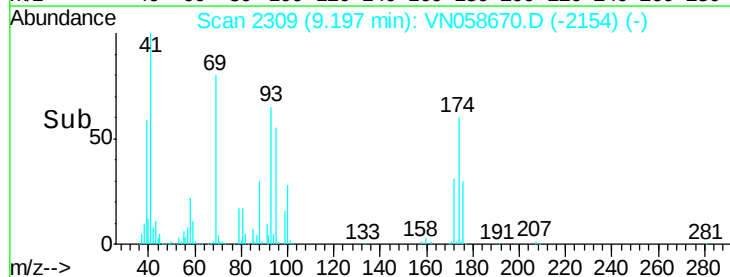
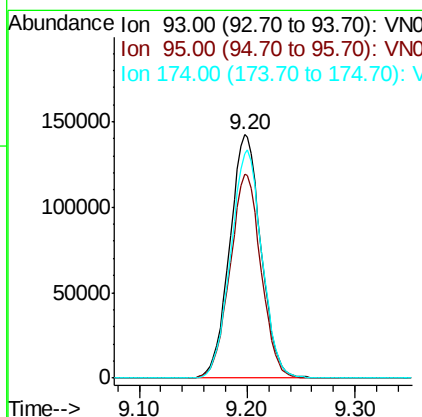
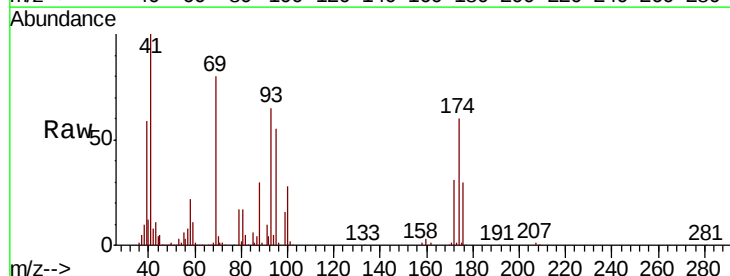
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

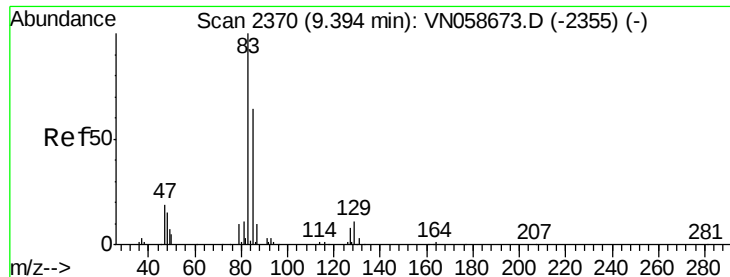
Tot Ion: 63 Resp: 447598
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.8 35.6



#40
 Dibromomethane
 Concen: 86.502 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Tgt Ion: 93 Resp: 288468
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 167.6
 174 93.4 0.0 187.2





#41

Bromodichloromethane

Concen: 89.529 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

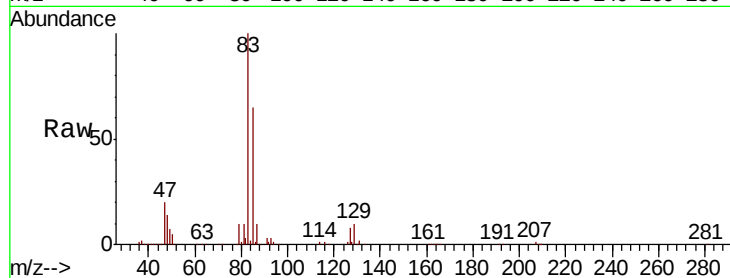
Tot Ion: 83 Resp: 596292

Ion Ratio Lower Upper

83 100

85 64.7 51.0 76.4

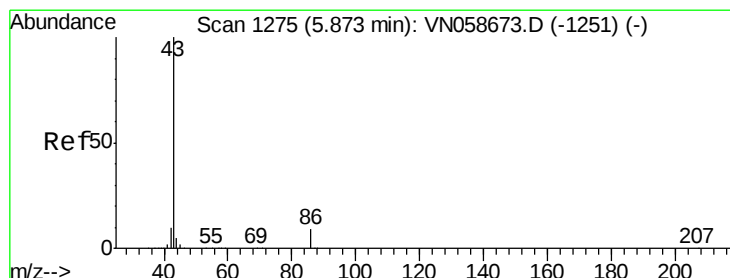
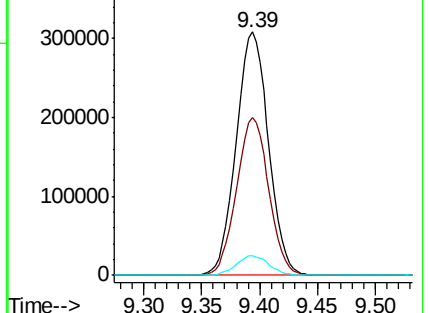
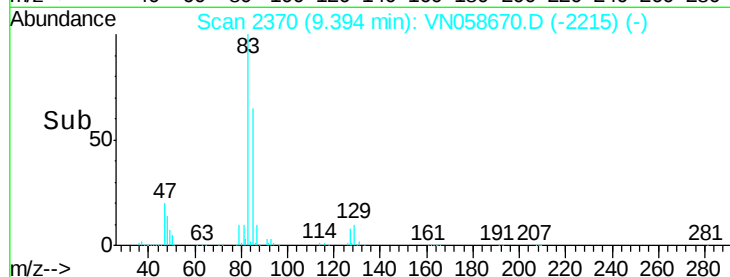
127 8.1 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN058670.D (-2215) (-)

Ion 85.00 (84.70 to 85.70): VN058670.D (-2215) (-)

Ion 127.00 (126.70 to 127.70): VN058670.D (-2215) (-)



#42

Vinyl Acetate

Concen: 483.370 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058670.D

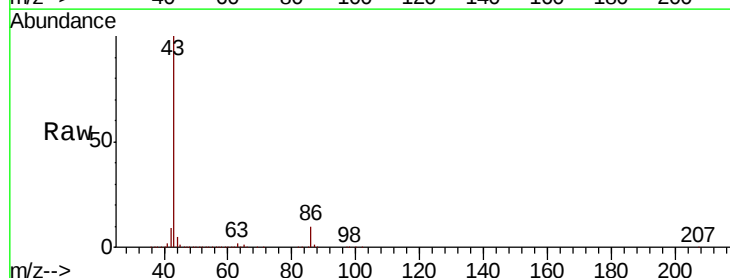
Acq: 10 Oct 2019 17:28

Tgt Ion: 43 Resp: 5784852

Ion Ratio Lower Upper

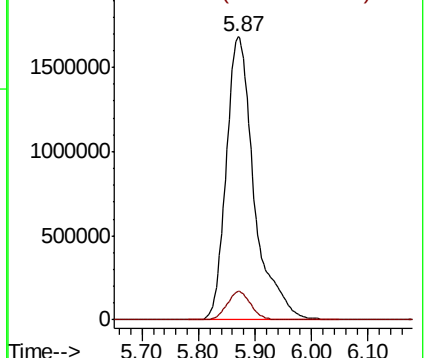
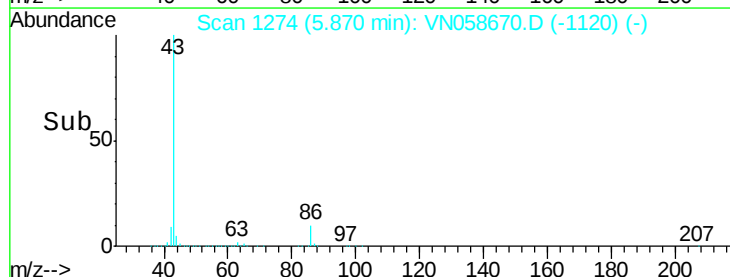
43 100

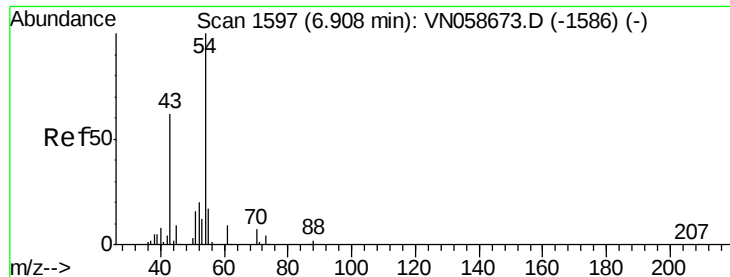
86 8.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN058670.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN058670.D (-1120) (-)





#43

Ethyl Acetate

Concen: 97.597 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

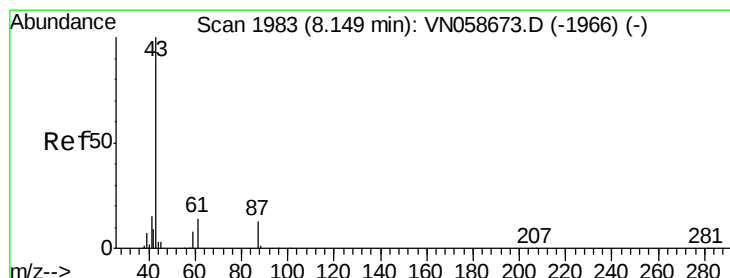
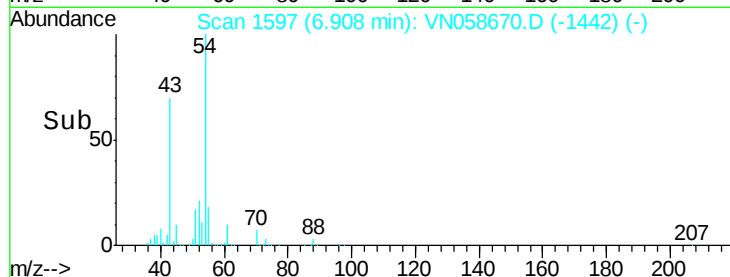
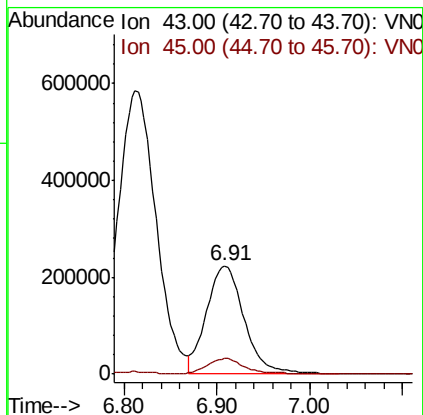
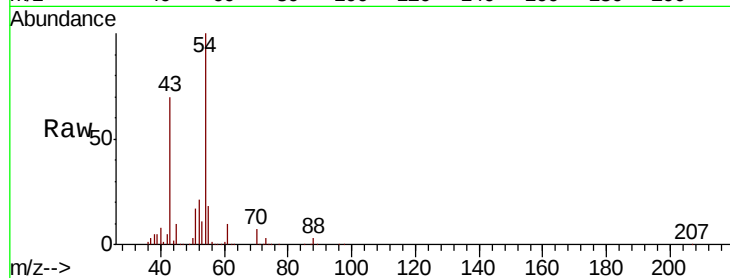
VSTDIC100

Tot Ion: 43 Resp: 624362

Ion Ratio Lower Upper

43 100

45 13.3 9.7 14.5



#44

Isopropyl Acetate

Concen: 93.731 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058670.D

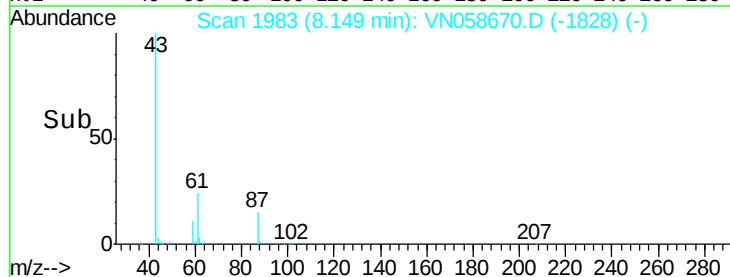
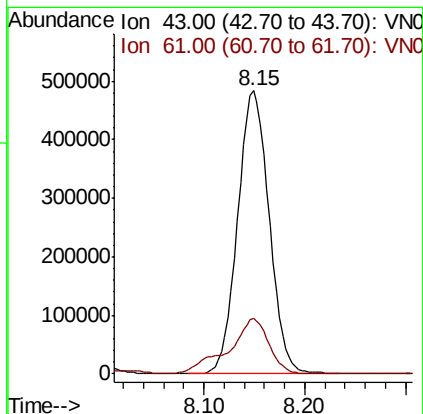
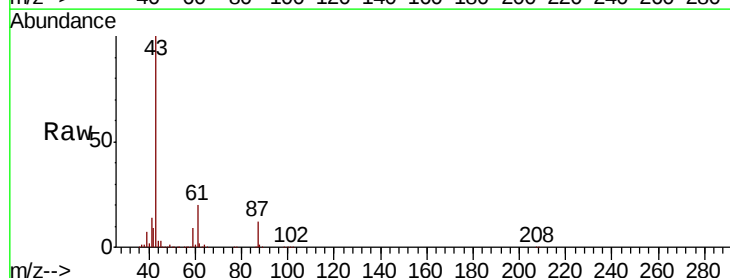
Acq: 10 Oct 2019 17:28

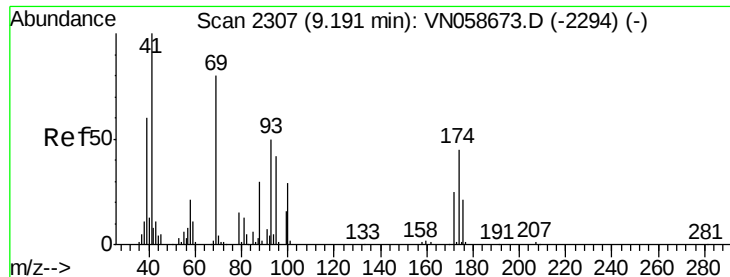
Tgt Ion: 43 Resp: 1043923

Ion Ratio Lower Upper

43 100

61 25.1 19.9 29.9

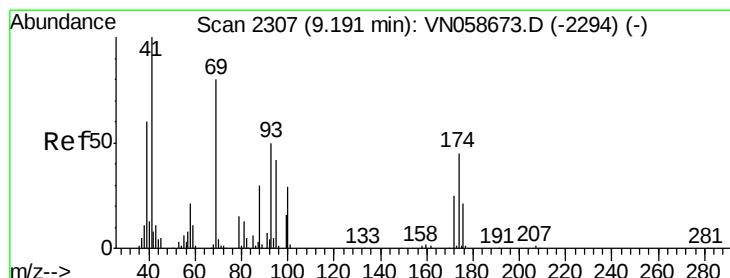
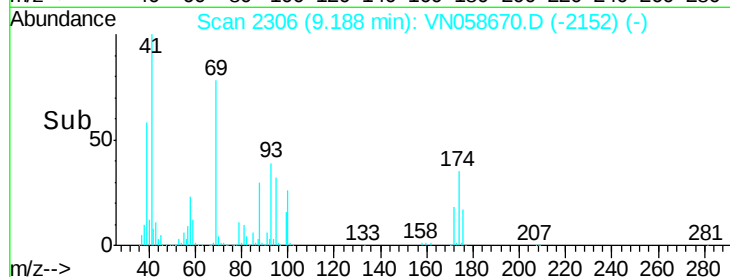
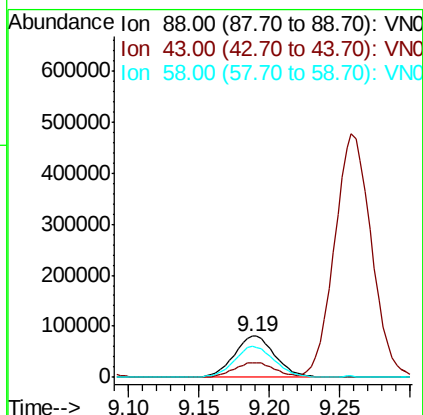
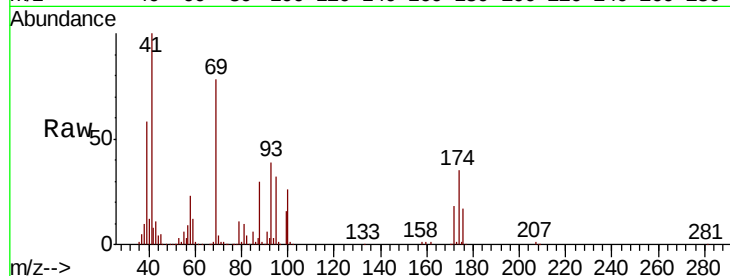




#45
 1,4-Dioxane
 Concen: 1789.439 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

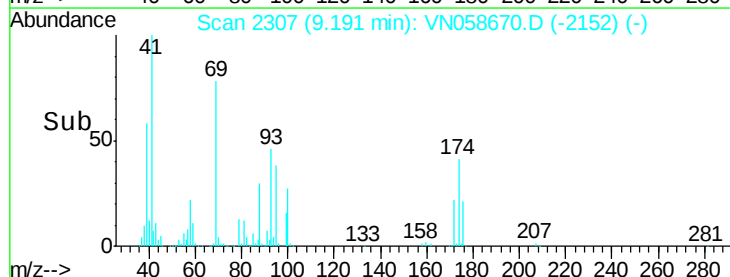
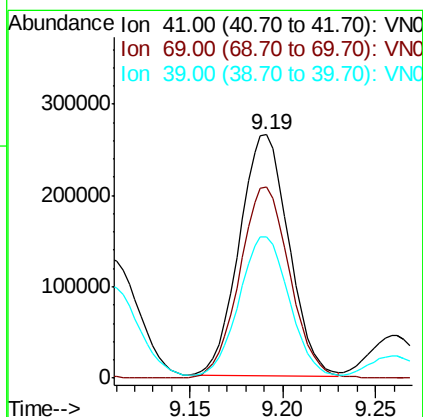
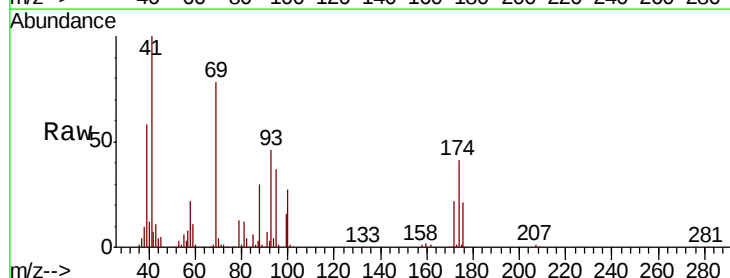
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

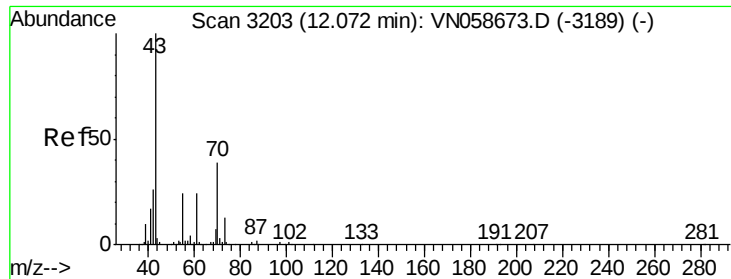
Tot Ion: 88 Resp: 163381
 Ion Ratio Lower Upper
 88 100
 43 35.6 29.8 44.8
 58 73.9 58.2 87.4



#46
 Methyl methacrylate
 Concen: 93.272 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Tgt Ion: 41 Resp: 489587
 Ion Ratio Lower Upper
 41 100
 69 79.0 40.2 120.5
 39 57.8 29.9 89.8





#47

n-amvl Acetate

Concen: 98.873 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

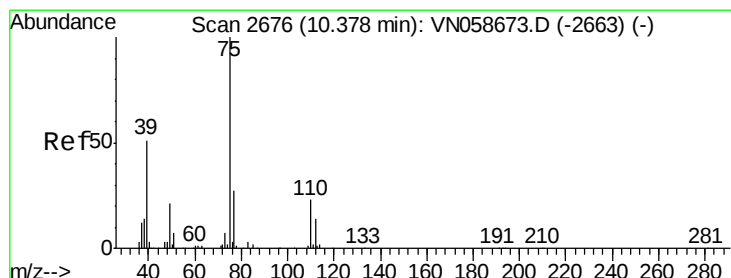
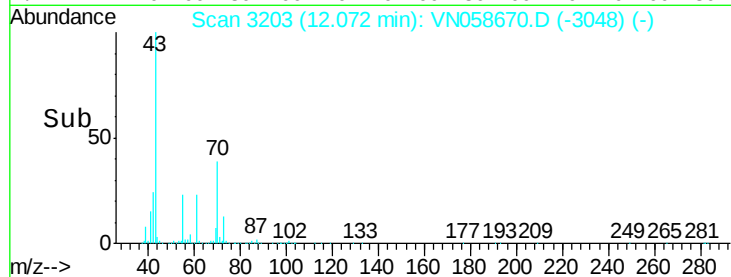
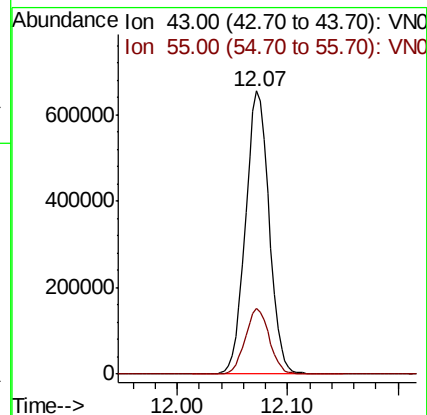
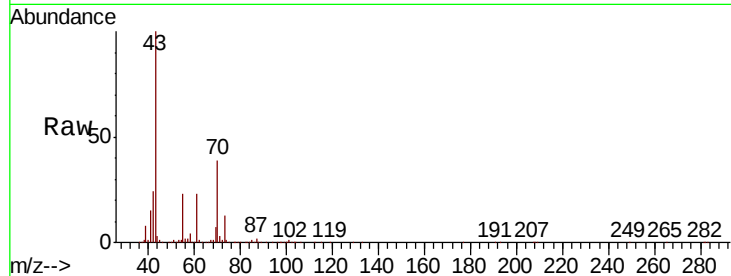
VSTDIC100

Tot Ion: 43 Resp: 965718

Ion Ratio Lower Upper

43 100

55 23.8 19.6 29.4



#48

t-1,3-Dichloropropene

Concen: 95.237 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058670.D

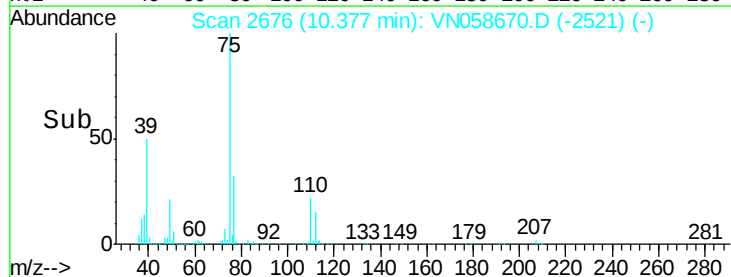
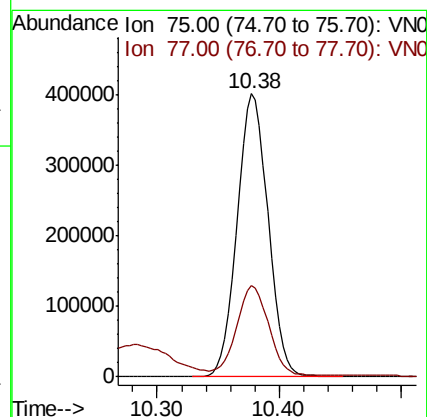
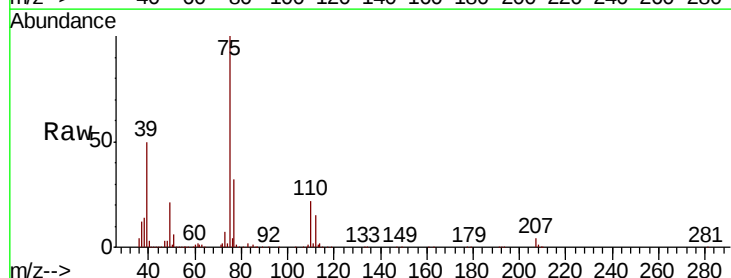
Acq: 10 Oct 2019 17:28

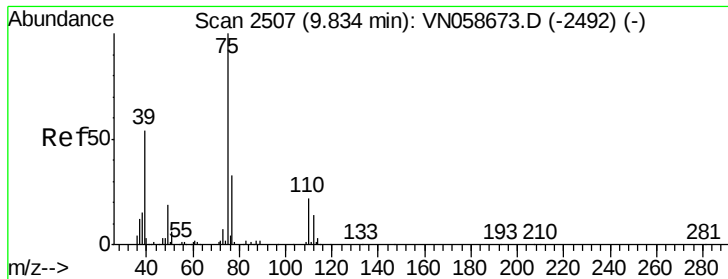
Tgt Ion: 75 Resp: 703331

Ion Ratio Lower Upper

75 100

77 31.6 27.0 40.4



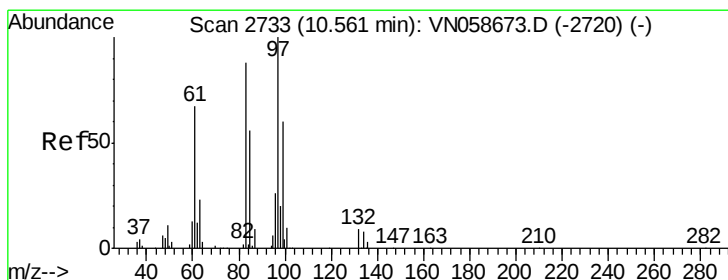
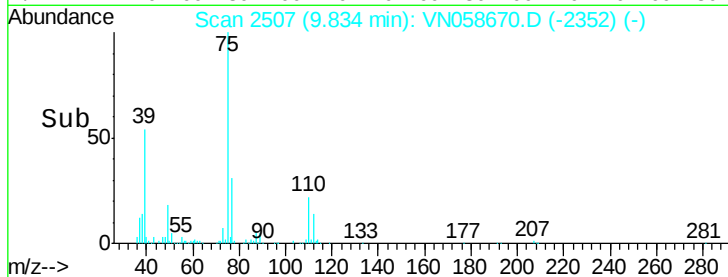
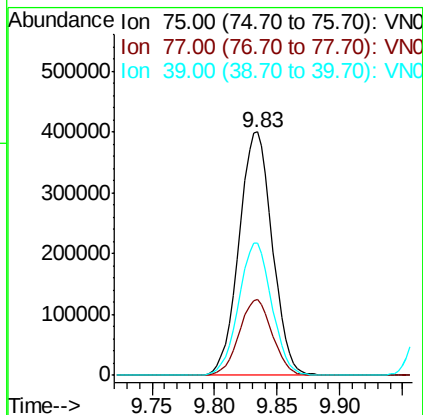
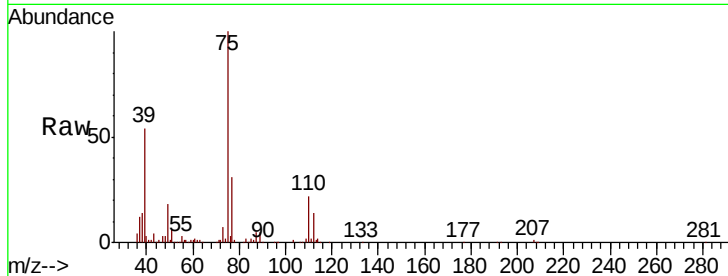


#49

cis-1,3-Dichloropropene
 Concen: 91.261 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

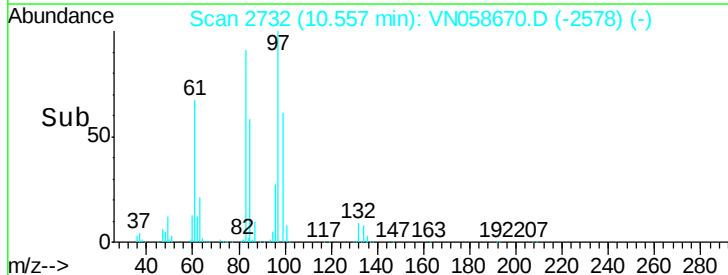
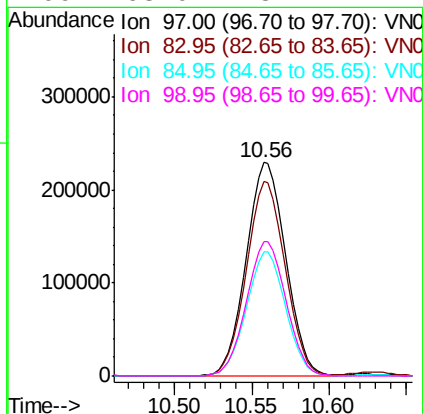
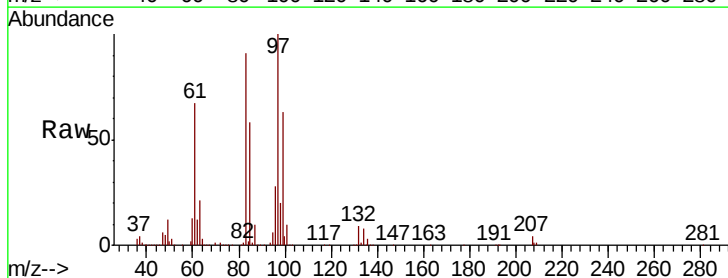
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.1	39.1
39	54.0	43.1	64.7

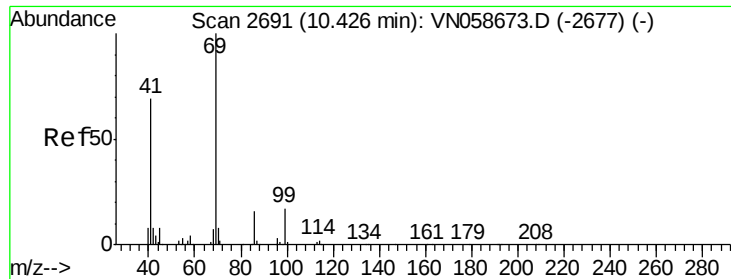


#50

1,1,2-Trichloroethane
 Concen: 87.608 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.7	106.1
85	58.0	45.1	67.7
99	63.0	48.2	72.4





#51

Ethyl methacrylate

Concen: 93.853 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

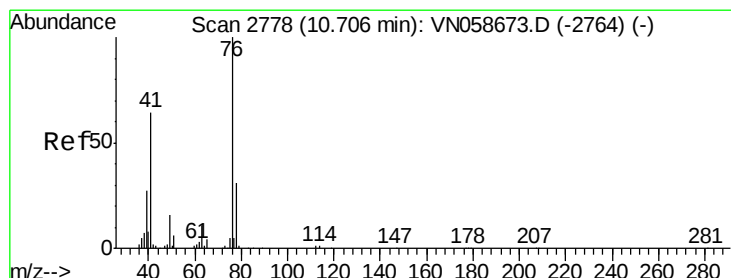
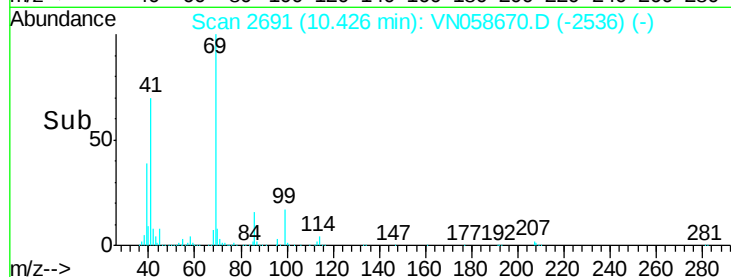
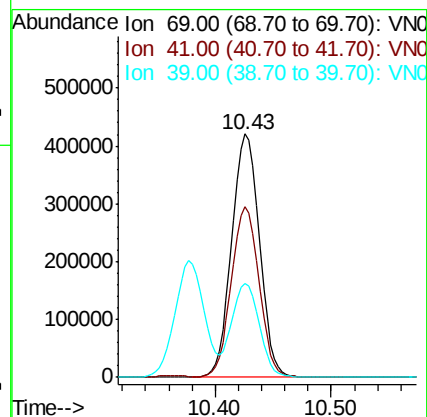
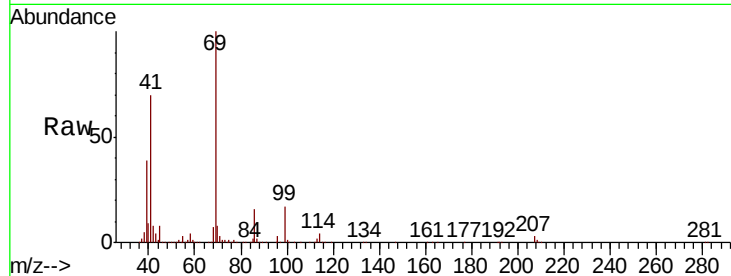
Tot Ion: 69 Resp: 696395

Ion Ratio Lower Upper

69 100

41 69.7 34.7 104.1

39 38.7 20.3 60.8



#52

1,3-Dichloropropane

Concen: 87.332 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058670.D

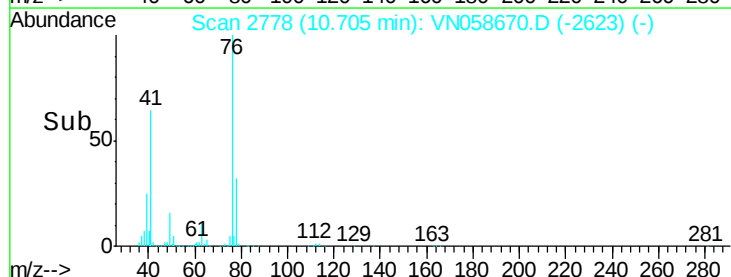
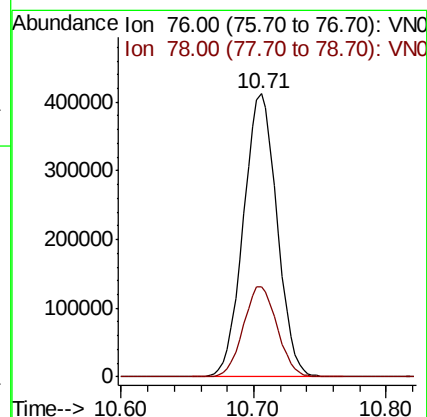
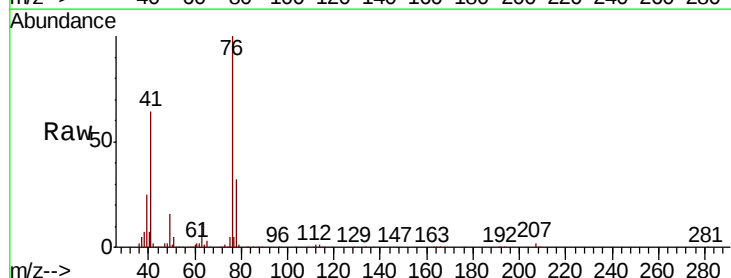
Acq: 10 Oct 2019 17:28

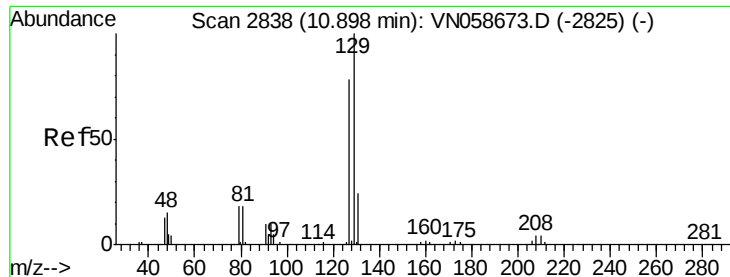
Tgt Ion: 76 Resp: 724668

Ion Ratio Lower Upper

76 100

78 32.2 0.0 63.2





#53

Dibromochloromethane

Concen: 95.552 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

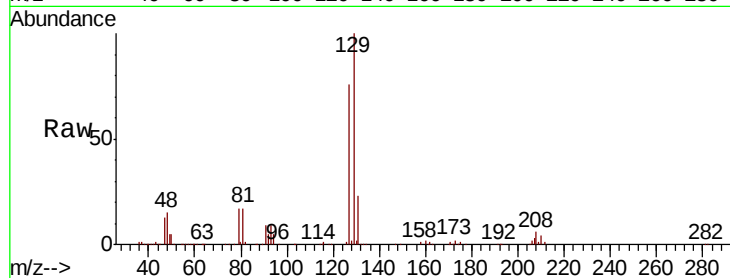
VSTDIC100

Tot Ion:129 Resp: 458164

Ion Ratio Lower Upper

129 100

127 76.8 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

250000

200000

150000

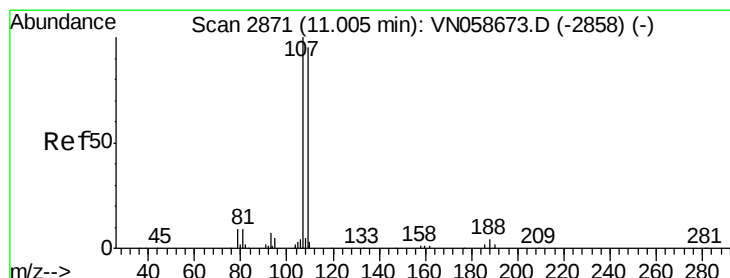
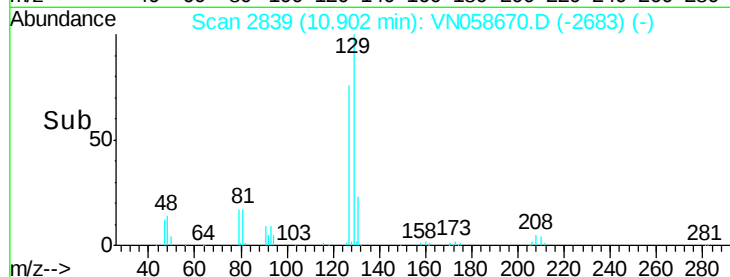
100000

50000

0

Time-->

10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 90.853 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058670.D

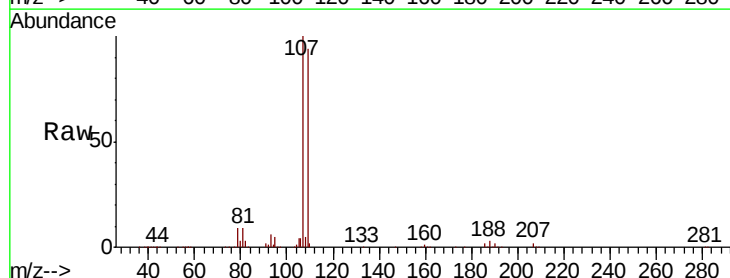
Acq: 10 Oct 2019 17:28

Tgt Ion:107 Resp: 435238

Ion Ratio Lower Upper

107 100

109 94.1 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

250000

200000

150000

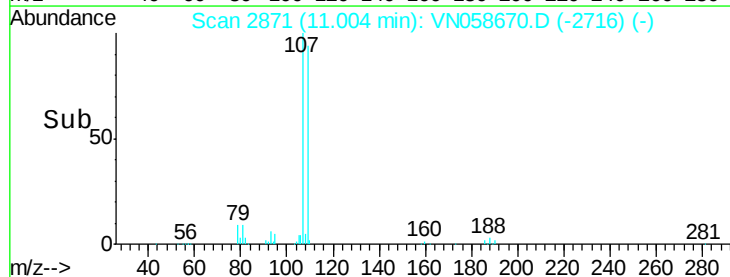
100000

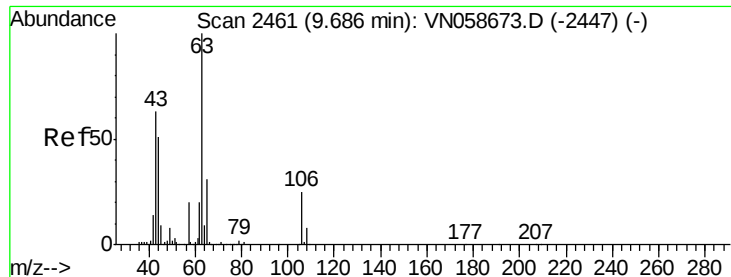
50000

0

Time-->

10.90 11.00 11.10



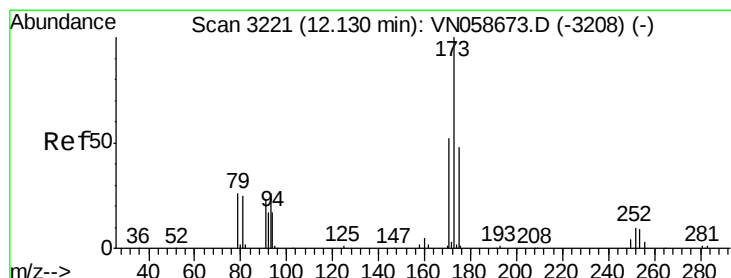
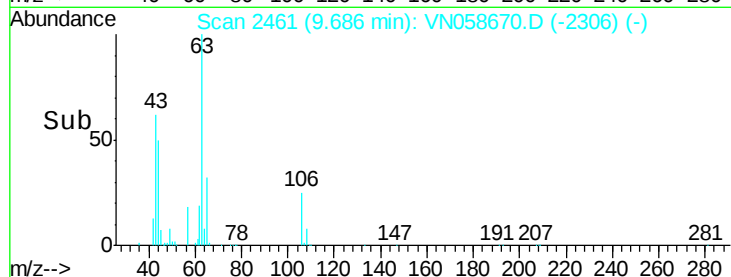
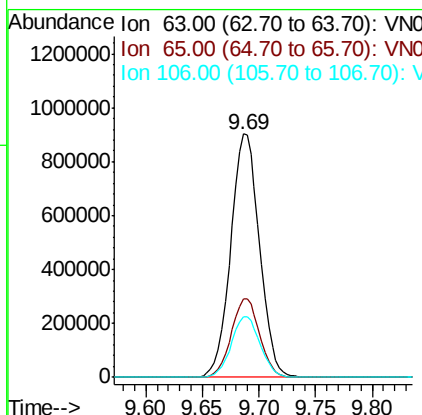
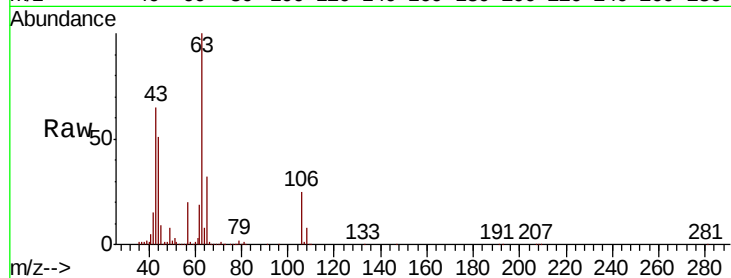


#55
 2-Chloroethyl vinyl ether
 Concen: 484.142 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 1595635

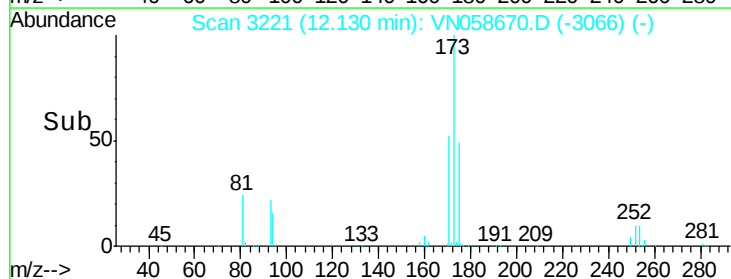
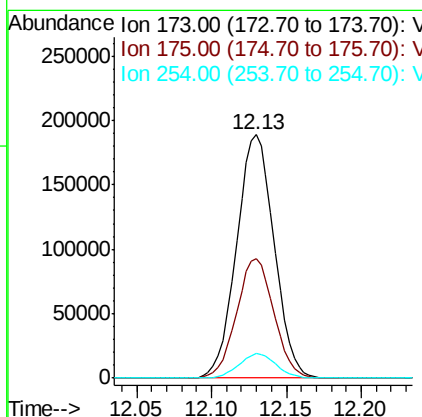
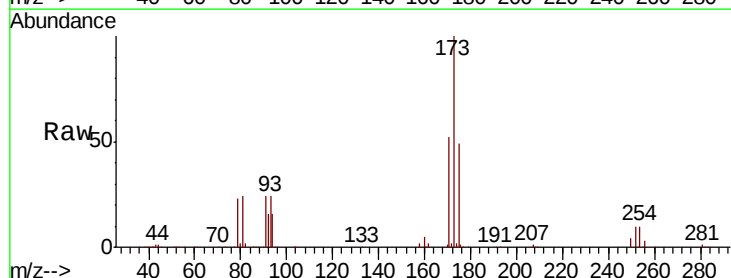
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.3	37.9
106	25.2	19.8	29.6

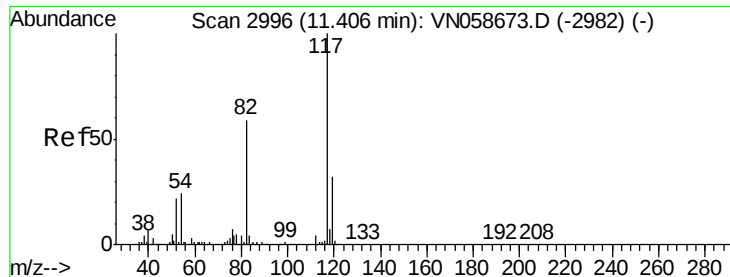


#56
 Bromoform
 Concen: 106.247 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Tgt Ion: 173 Resp: 329679

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.7	58.1
254	9.9	7.4	11.2

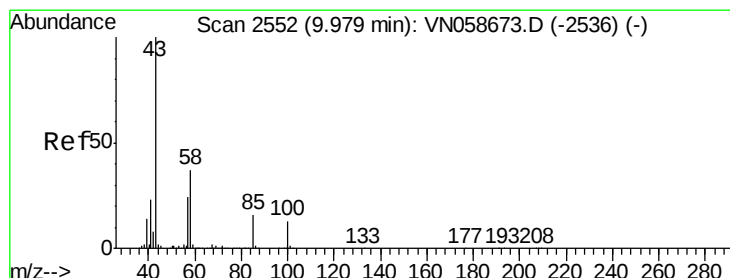
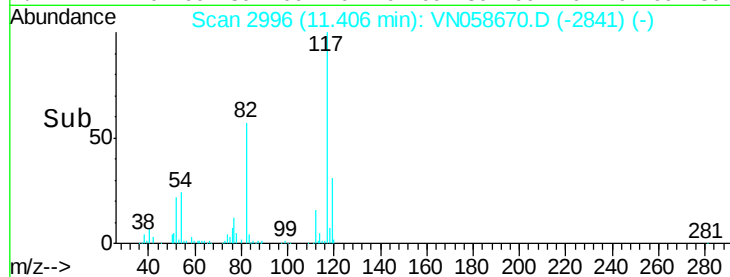
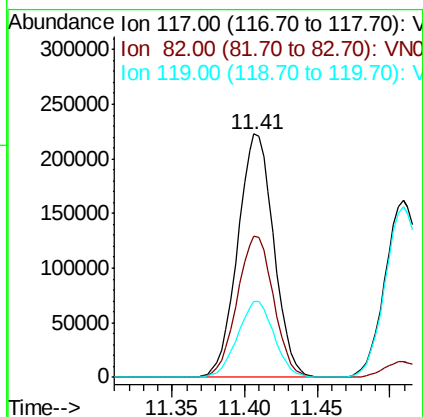
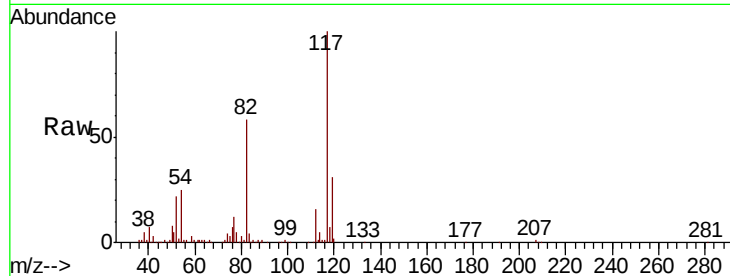




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

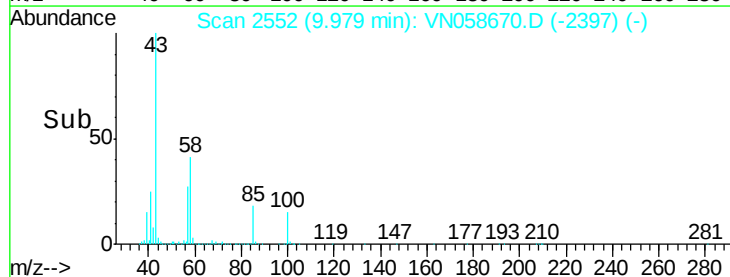
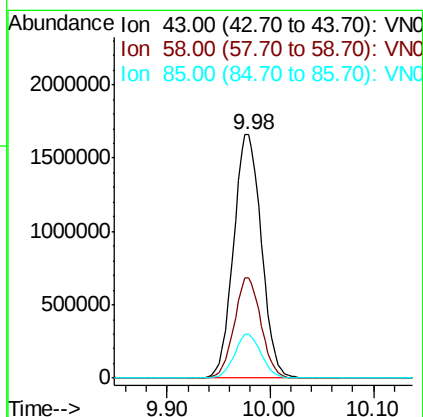
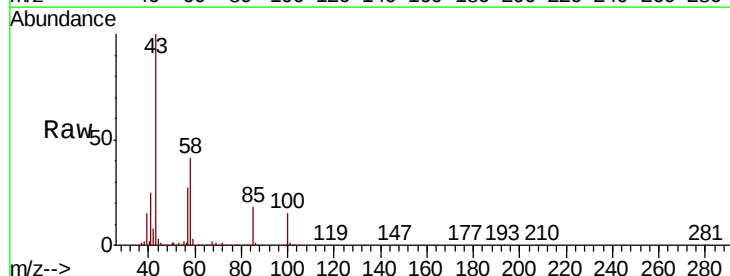
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

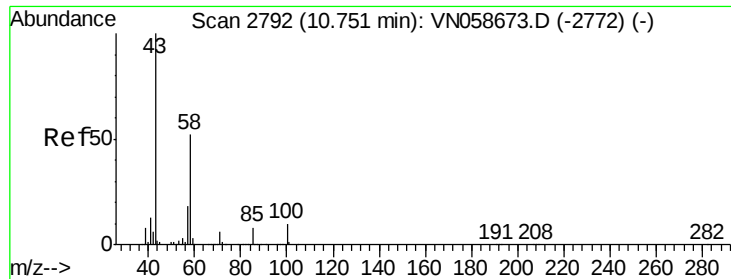
Tot Ion:117 Resp: 384536
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 31.6 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 499.923 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion: 43 Resp: 3123490
Ion Ratio Lower Upper
43 100
58 39.5 30.1 45.1
85 17.4 13.2 19.8

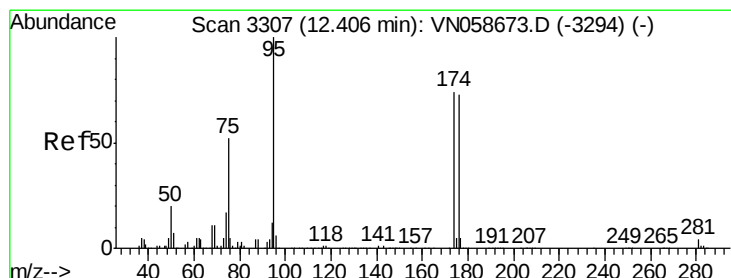
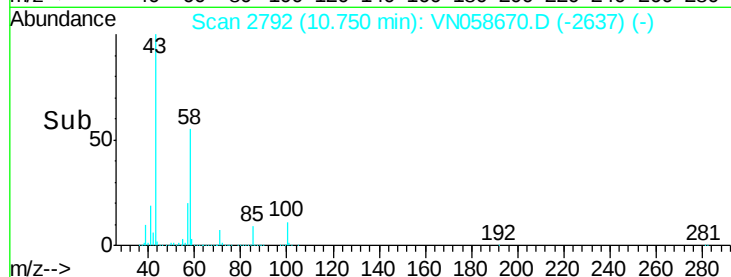
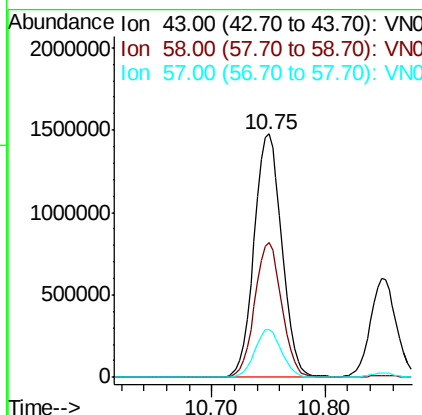
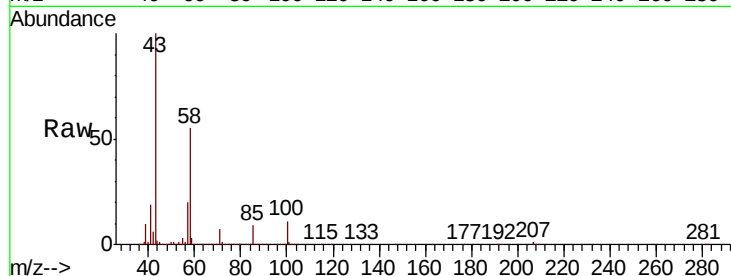




#59
2-Hexanone
Concen: 528.570 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

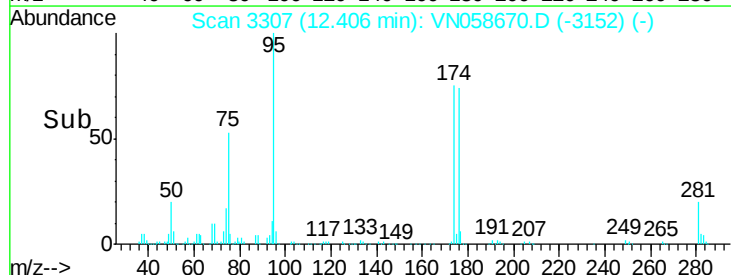
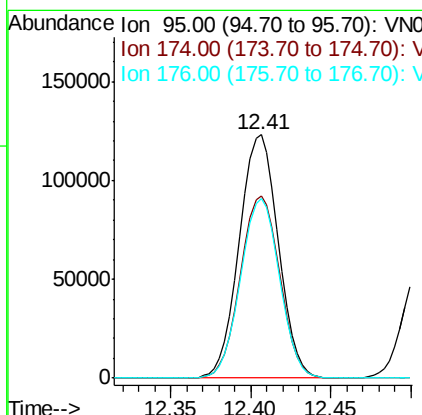
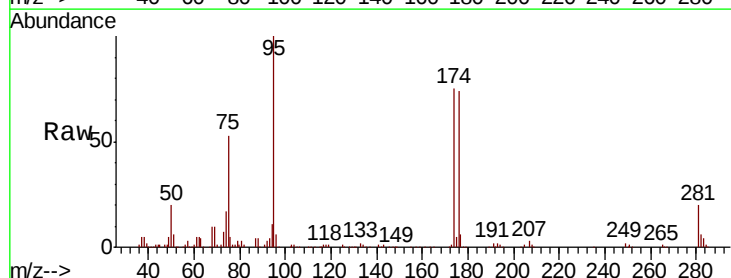
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

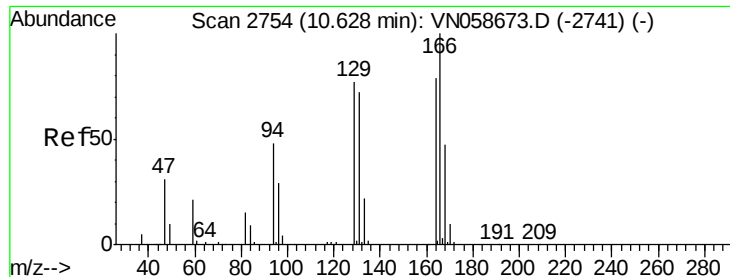
Tot Ion: 43 Resp: 2513646
Ion Ratio Lower Upper
43 100
58 54.0 41.4 62.0
57 19.2 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 30.687 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion: 95 Resp: 205249
Ion Ratio Lower Upper
95 100
174 75.4 59.9 89.9
176 73.6 58.3 87.5





#61

Tetrachloroethene

Concen: 84.493 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 347912

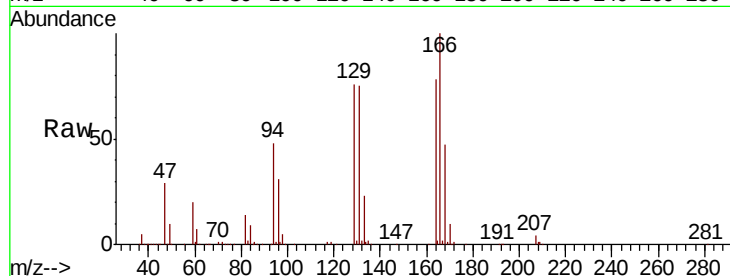
Ion Ratio Lower Upper

164 100

166 127.7 101.4 152.2

129 97.0 78.1 117.1

131 95.4 73.2 109.8

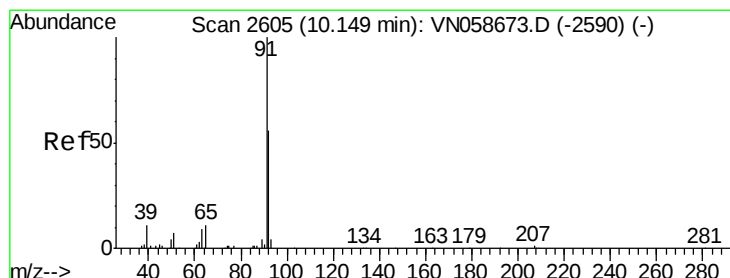
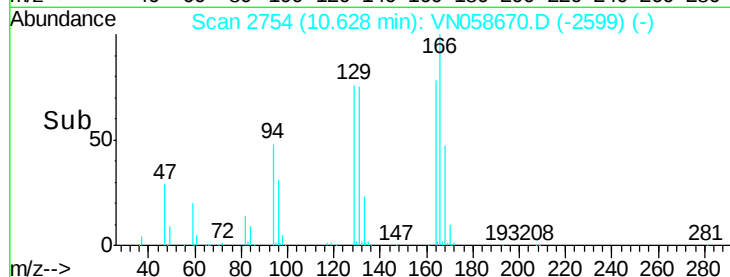
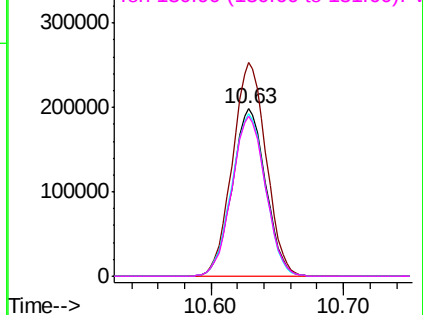


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 84.442 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058670.D

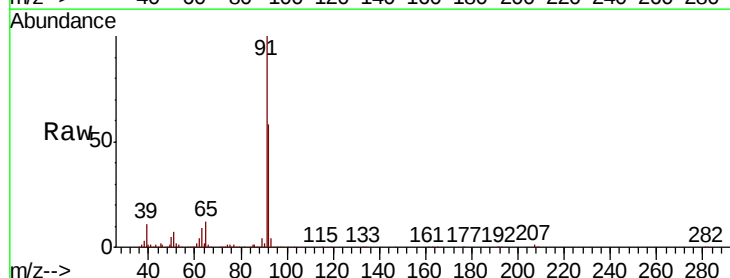
Acq: 10 Oct 2019 17:28

Tgt Ion: 91 Resp: 1784954

Ion Ratio Lower Upper

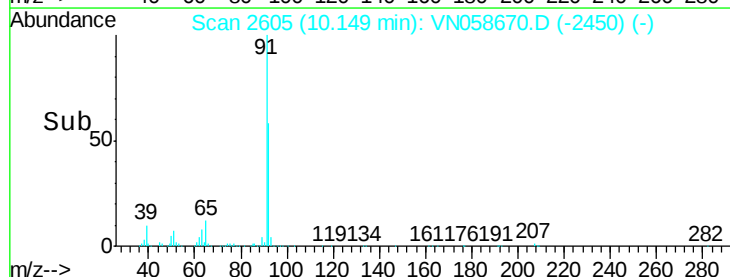
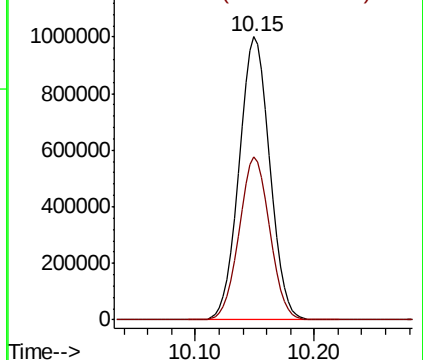
91 100

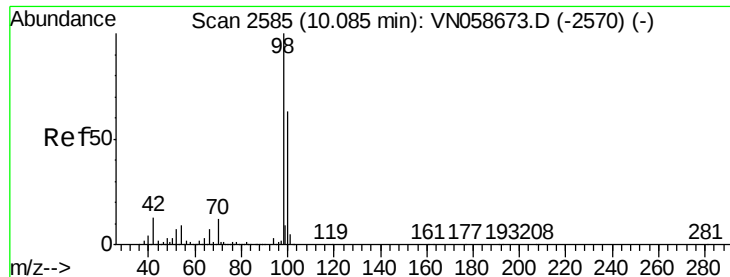
92 57.5 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.483 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

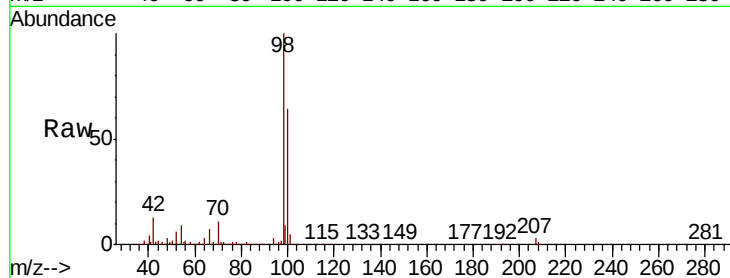
VSTDIC100

Tot Ion: 98 Resp: 541724

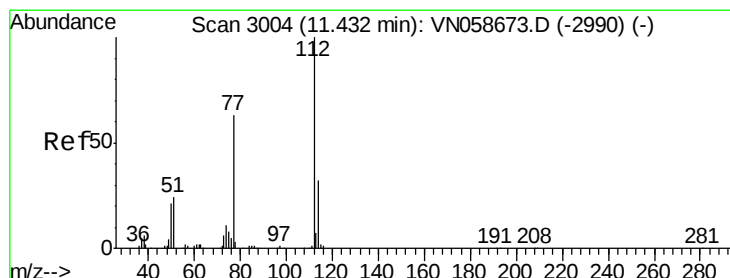
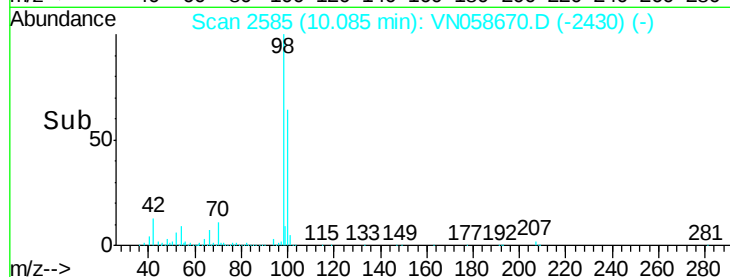
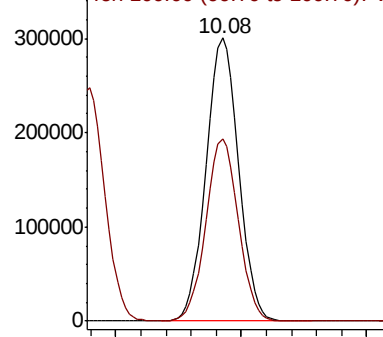
Ion Ratio Lower Upper

98 100

100 64.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN058670.D (-2570) (-)



#64

Chlorobenzene

Concen: 83.683 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058670.D

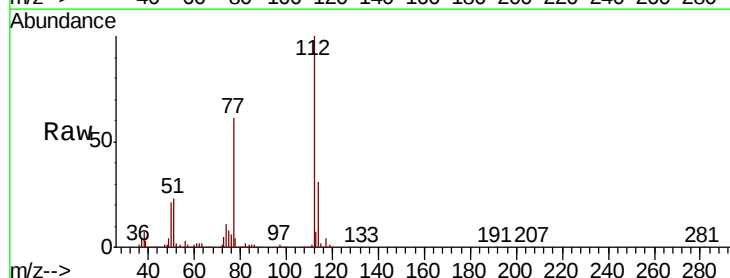
Acq: 10 Oct 2019 17:28

Tgt Ion: 112 Resp: 1087504

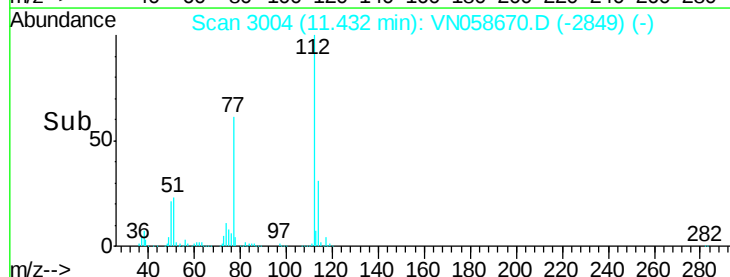
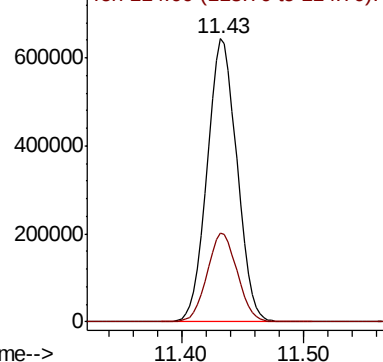
Ion Ratio Lower Upper

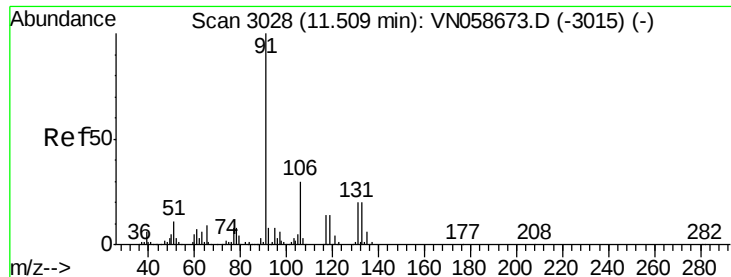
112 100

114 31.2 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN058670.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 89.445 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

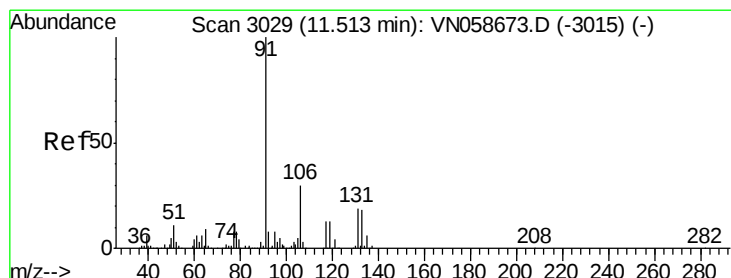
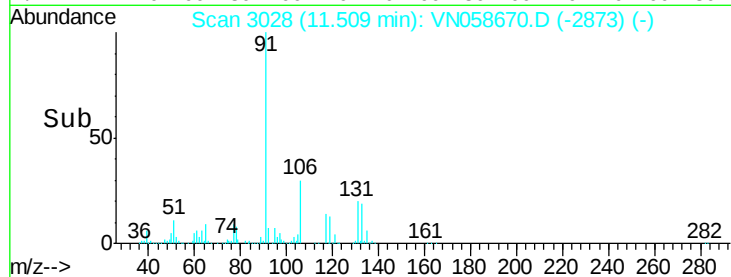
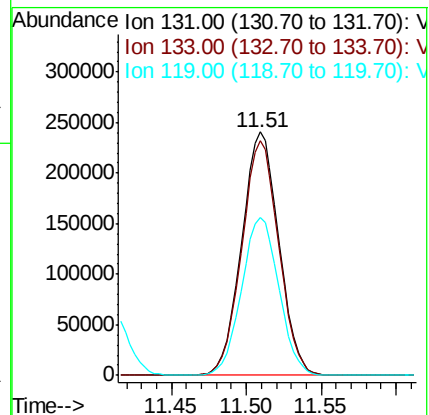
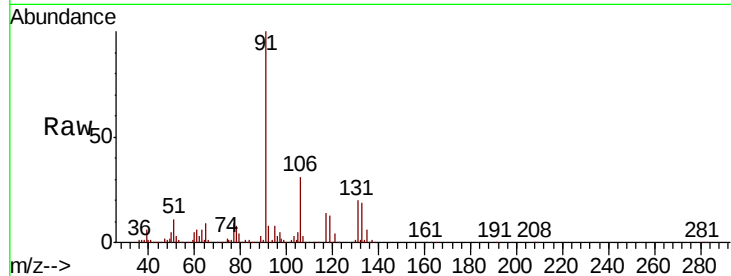
Tot Ion:131 Resp: 415837

Ion Ratio Lower Upper

131 100

133 95.8 0.0 194.0

119 65.0 0.0 136.8



#66

Ethyl Benzene

Concen: 88.090 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058670.D

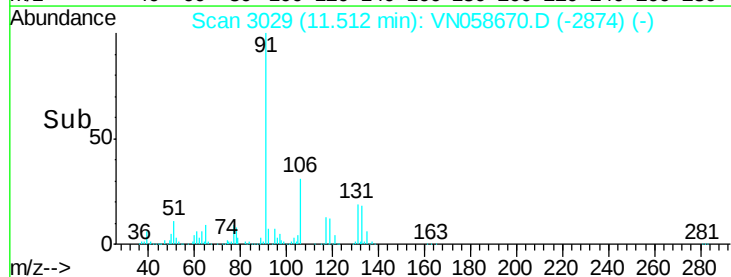
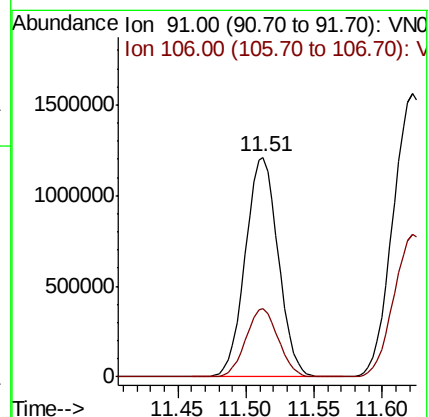
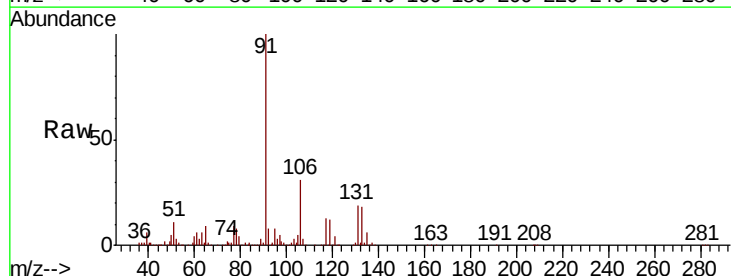
Acq: 10 Oct 2019 17:28

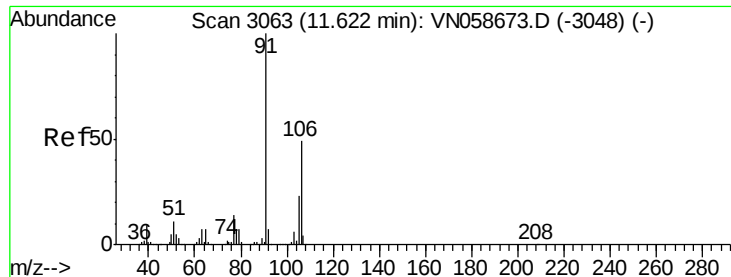
Tgt Ion: 91 Resp: 2025694

Ion Ratio Lower Upper

91 100

106 31.0 24.2 36.4

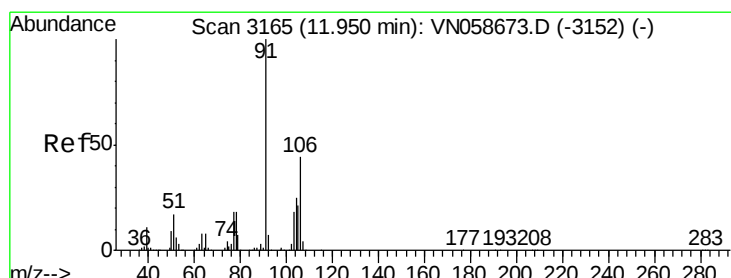
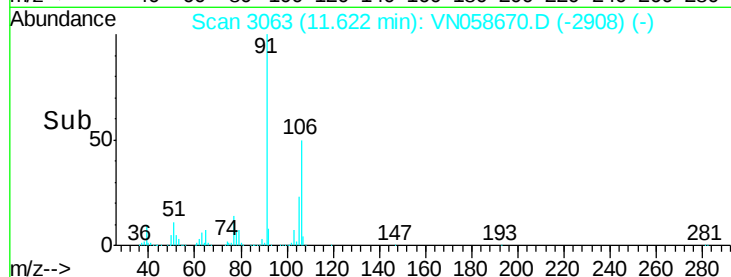
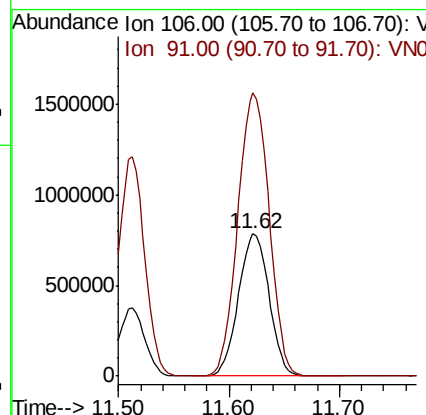
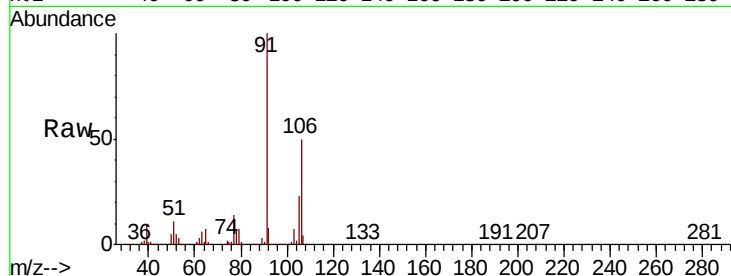




#67
m/p-Xylenes
Concen: 170.863 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

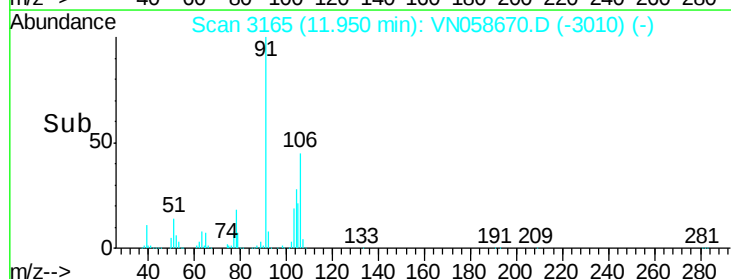
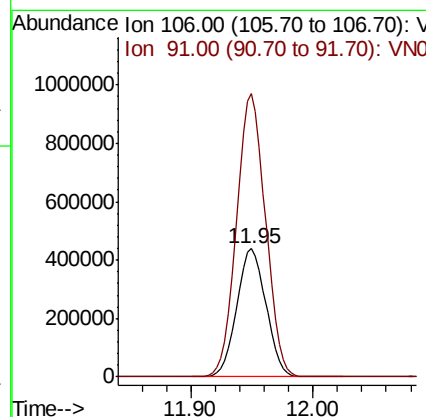
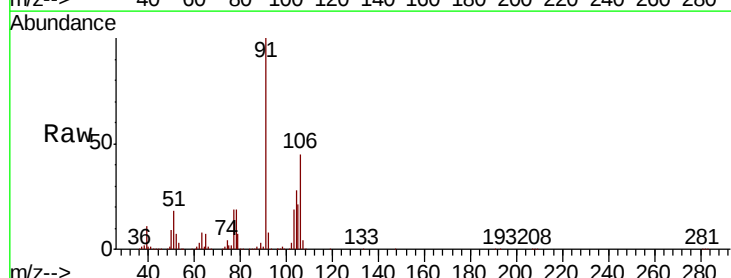
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

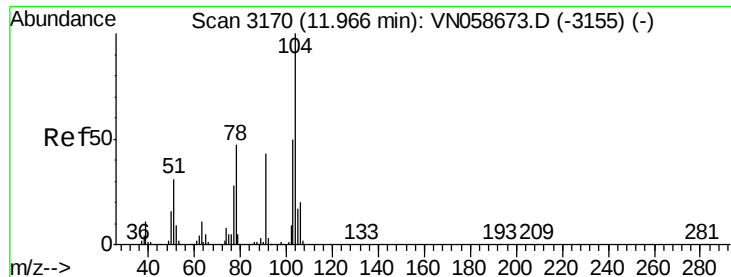
Tot Ion:106 Resp: 1510759
Ion Ratio Lower Upper
106 100
91 203.4 165.6 248.4



#68
o-Xylene
Concen: 84.847 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion:106 Resp: 728634
Ion Ratio Lower Upper
106 100
91 219.2 109.8 329.4

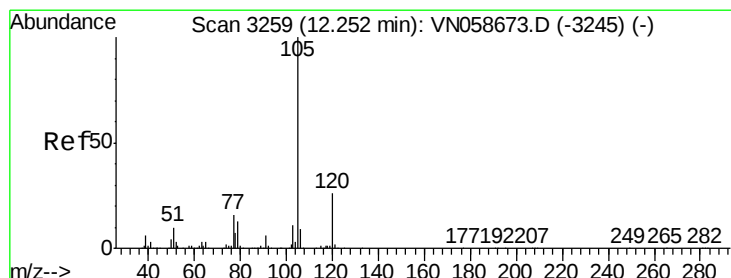
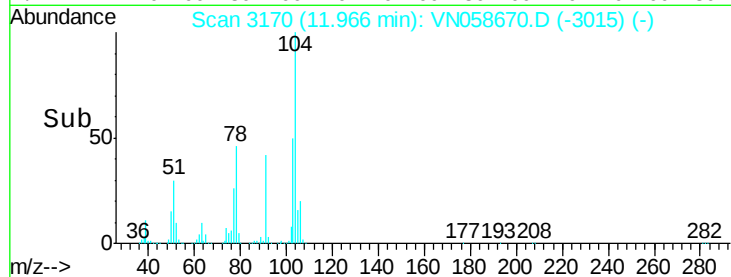
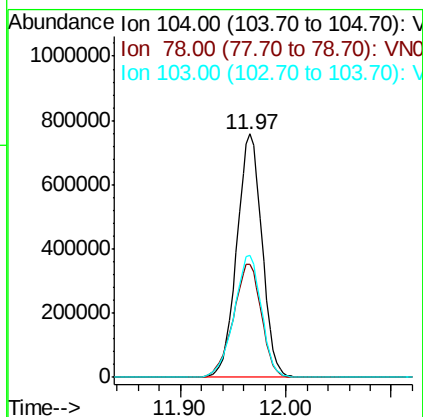
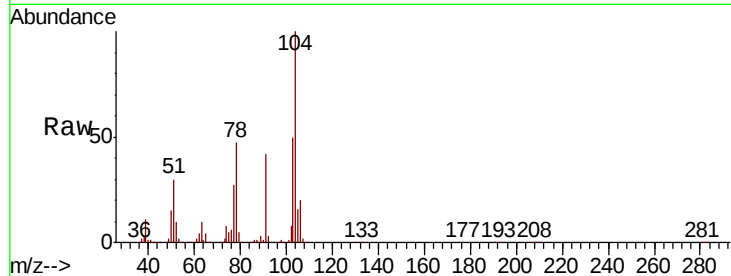




#69
Stvrene
Concen: 87.460 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

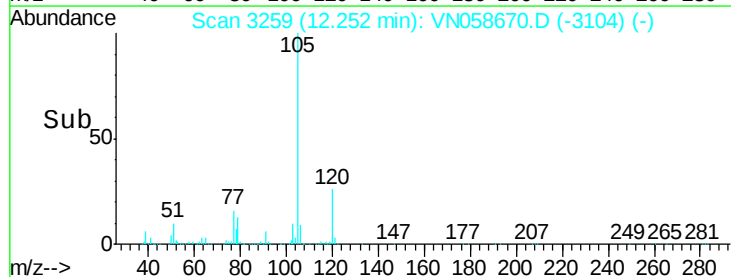
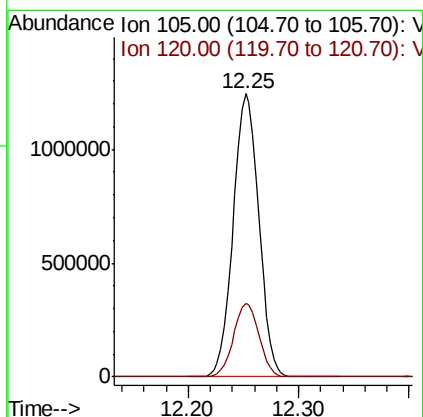
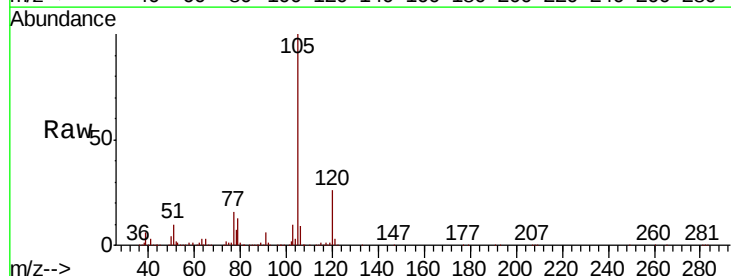
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

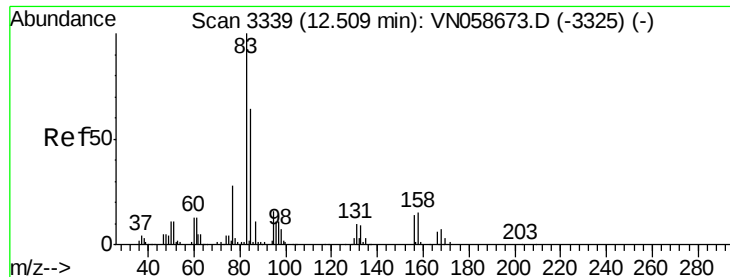
Tot Ion:104 Resp: 1251315
Ion Ratio Lower Upper
104 100
78 51.9 42.4 63.6
103 54.5 44.6 66.8



#70
Isopropylbenzene
Concen: 90.019 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion:105 Resp: 2006020
Ion Ratio Lower Upper
105 100
120 25.9 18.4 34.2

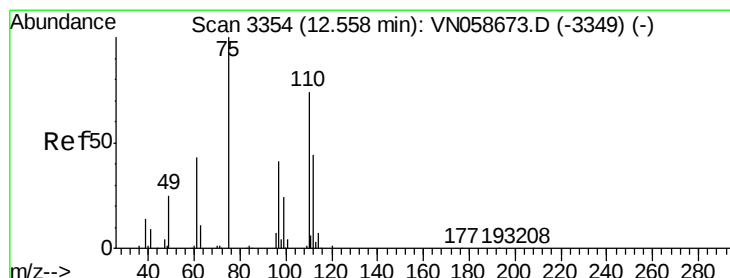
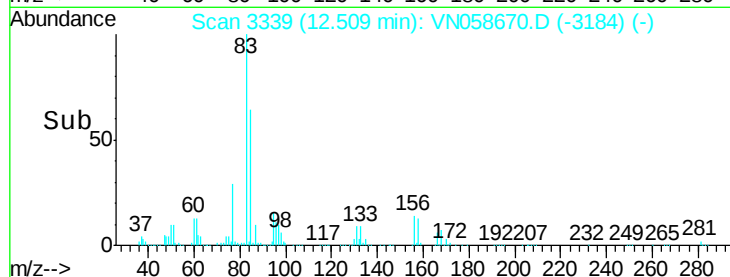
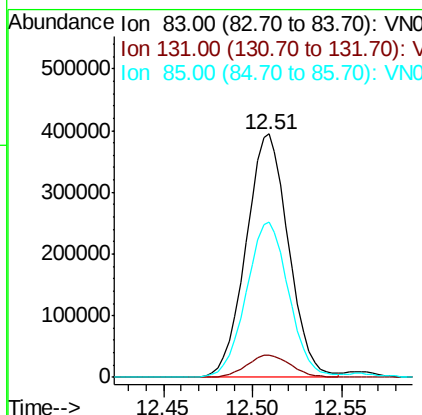
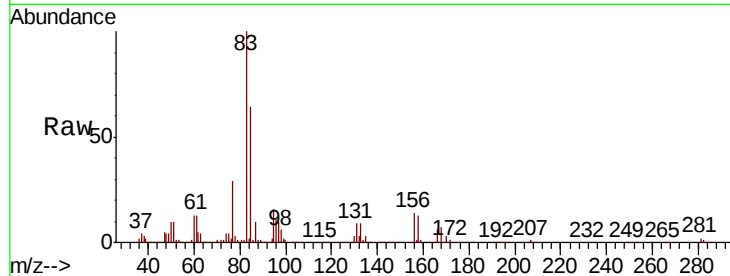




#71
 1,1,2,2-Tetrachloroethane
 Concen: 90.693 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

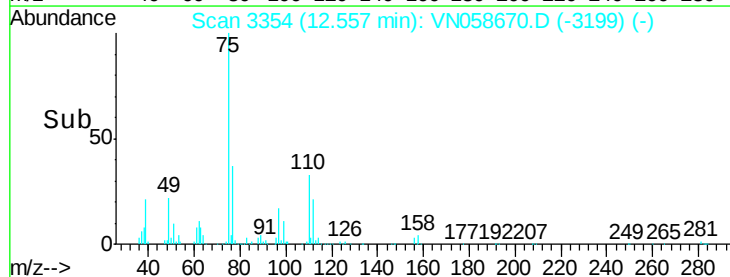
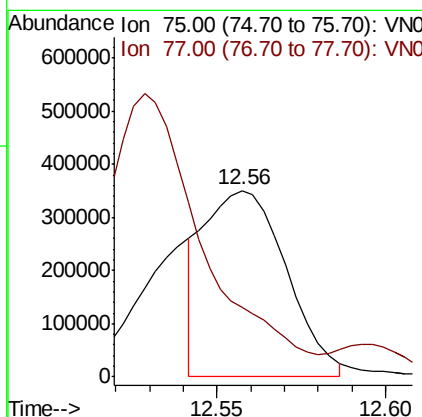
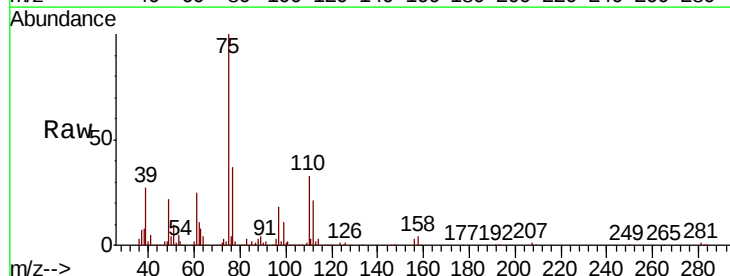
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

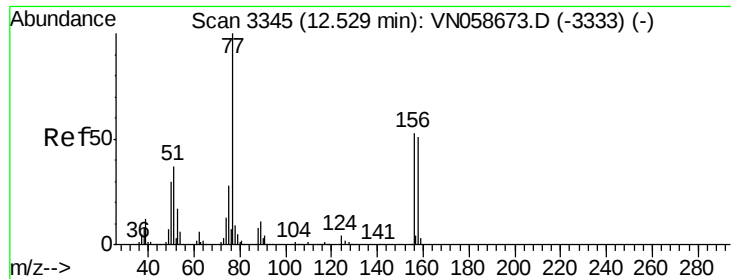
Tot Ion	83	Resp	657025
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	63.9	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 95.113 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Tgt Ion	75	Resp	596811
Ion Ratio	Lower	Upper	
75	100		
77	183.5	0.0	359.4





#73

Bromobenzene

Concen: 86.595 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

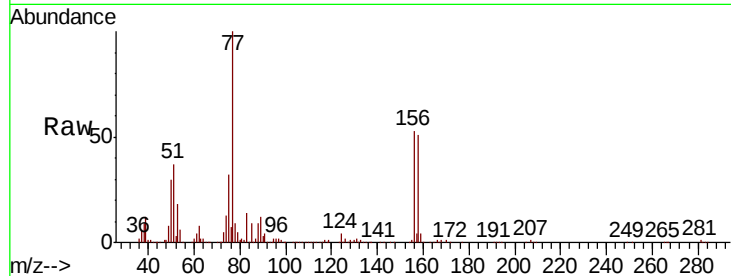
Tot Ion:156 Resp: 471067

Ion Ratio Lower Upper

156 100

77 232.5 0.0 456.0

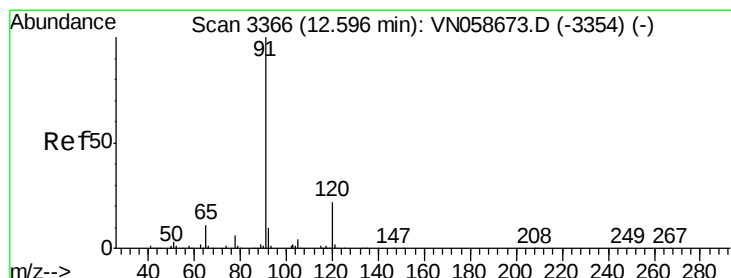
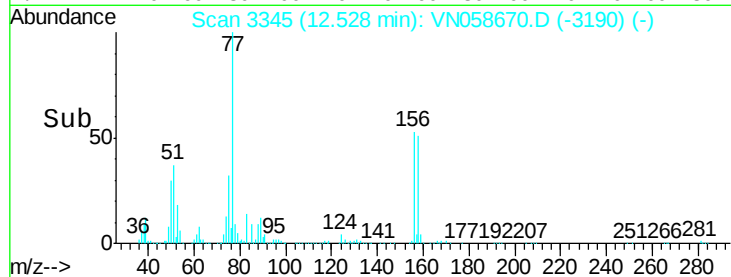
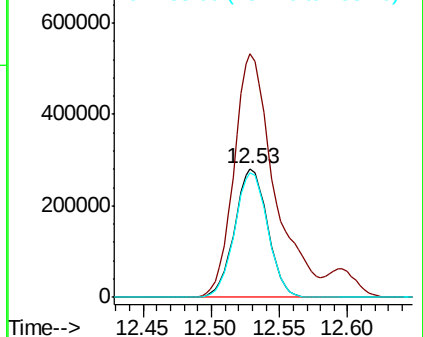
158 97.7 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 91.767 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058670.D

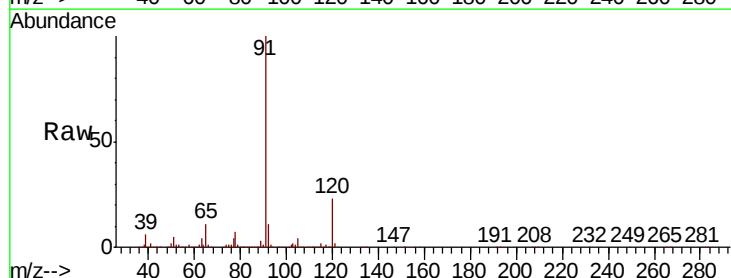
Acq: 10 Oct 2019 17:28

Tgt Ion: 91 Resp: 2364616

Ion Ratio Lower Upper

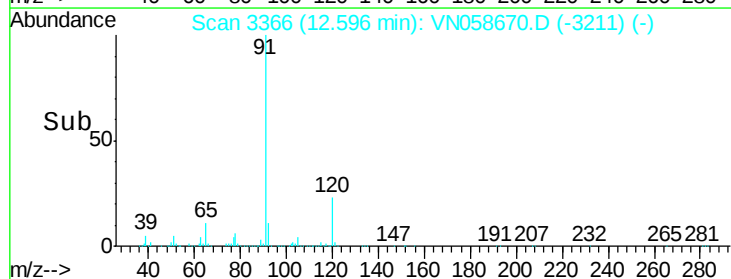
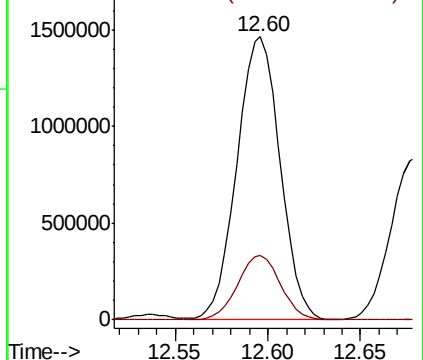
91 100

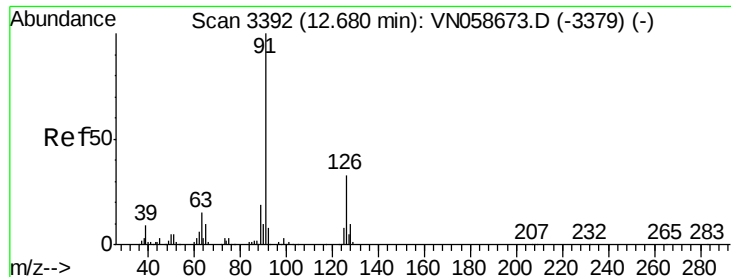
120 22.5 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 86.730 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

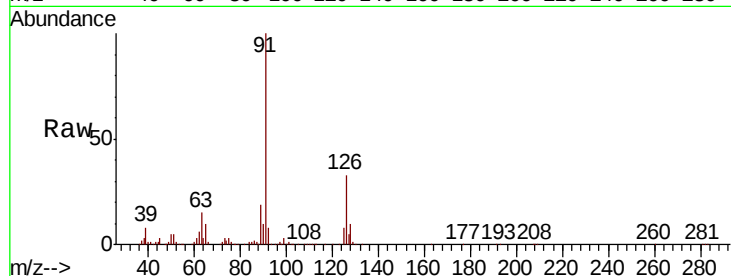
VSTDIC100

Tot Ion: 91 Resp: 1396220

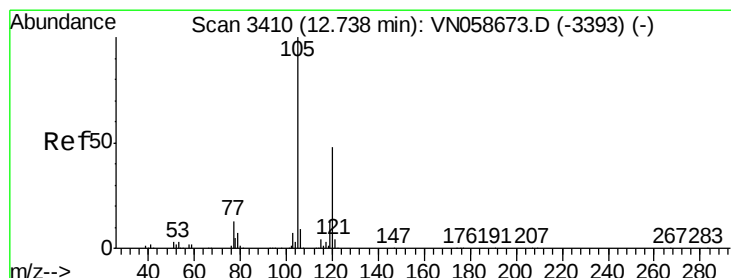
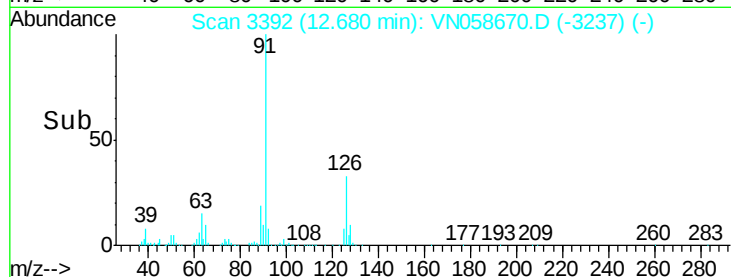
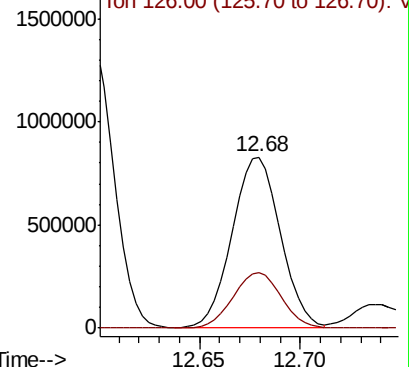
Ion Ratio Lower Upper

91 100

126 32.5 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN058670.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 89.296 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058670.D

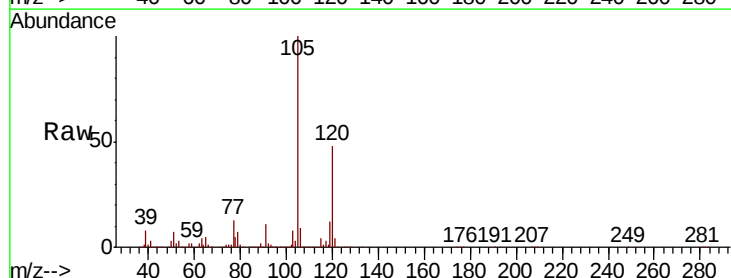
Acq: 10 Oct 2019 17:28

Tgt Ion: 105 Resp: 1714775

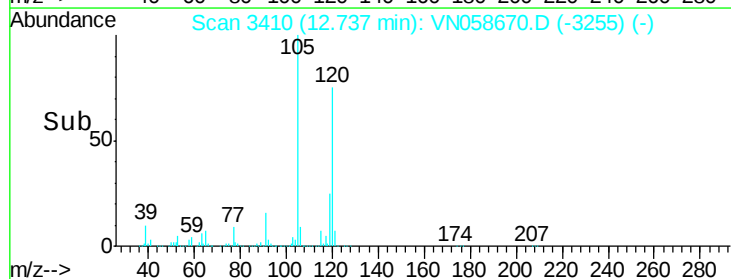
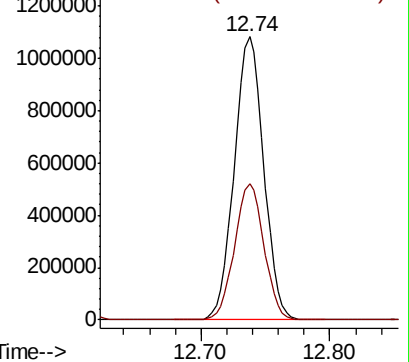
Ion Ratio Lower Upper

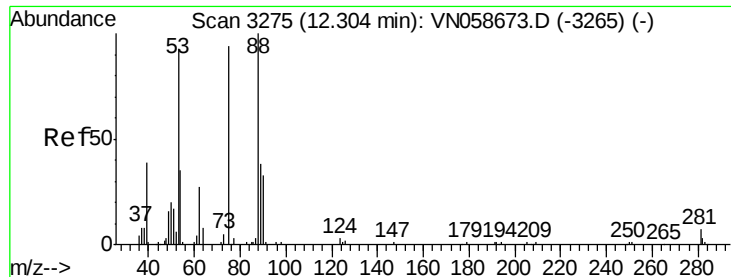
105 100

120 48.0 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058670.D (-3255) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 113.237 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

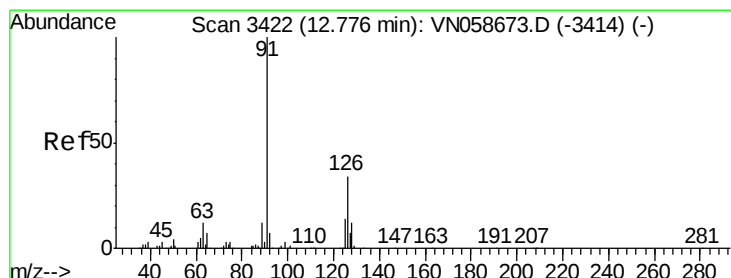
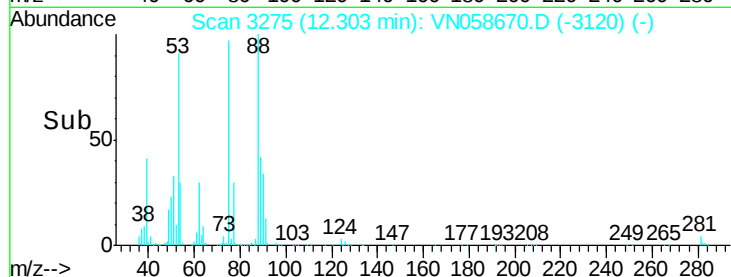
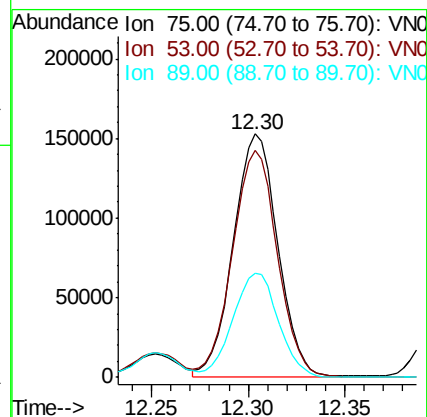
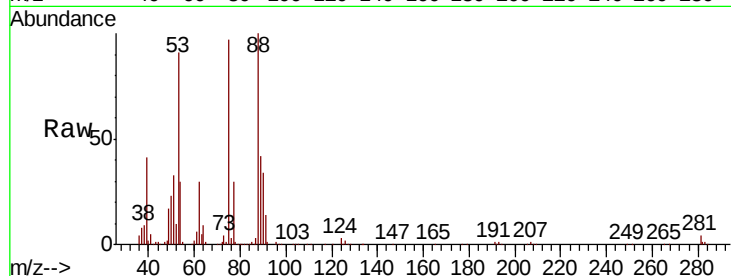
Tot Ion: 75 Resp: 244097

Ion Ratio Lower Upper

75 100

53 93.3 50.0 150.0

89 43.0 20.7 62.1



#78

4-Chlorotoluene

Concen: 89.620 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058670.D

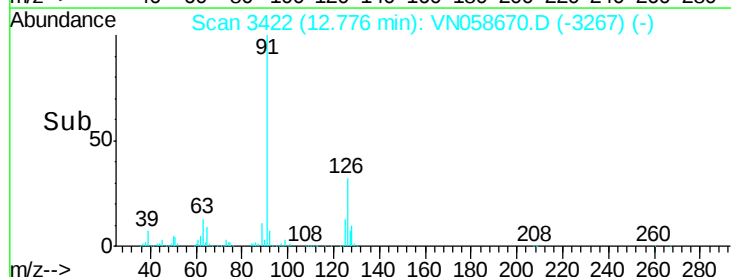
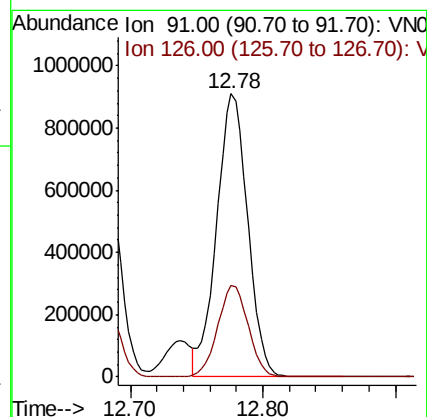
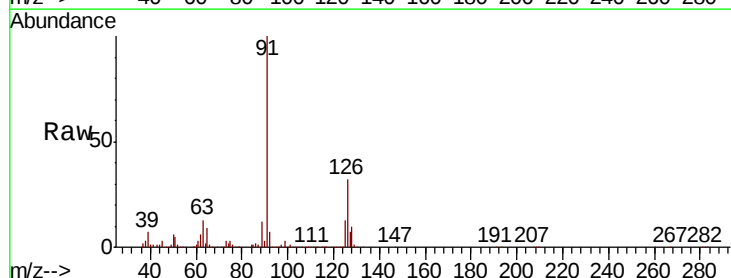
Acq: 10 Oct 2019 17:28

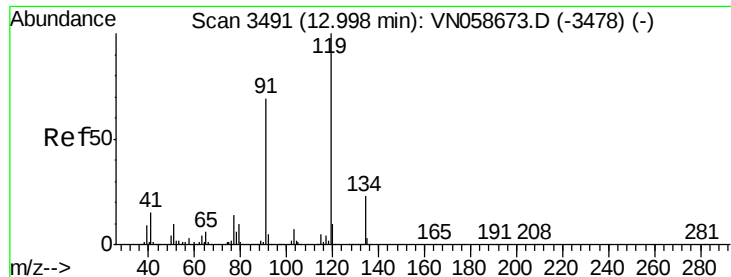
Tgt Ion: 91 Resp: 1477857

Ion Ratio Lower Upper

91 100

126 31.7 0.0 63.4

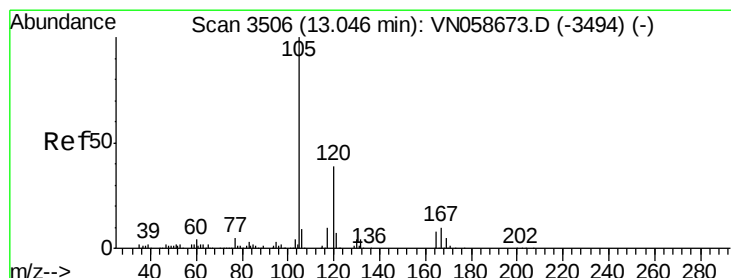
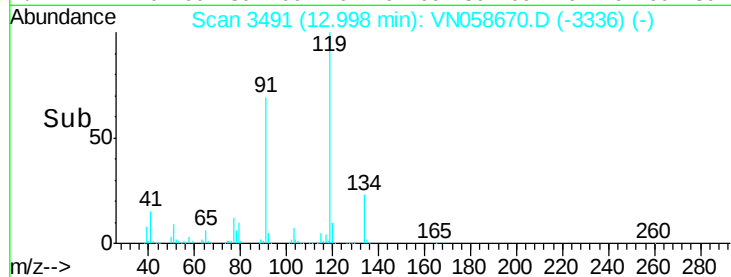
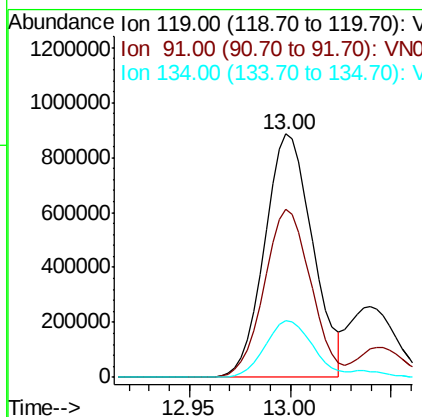
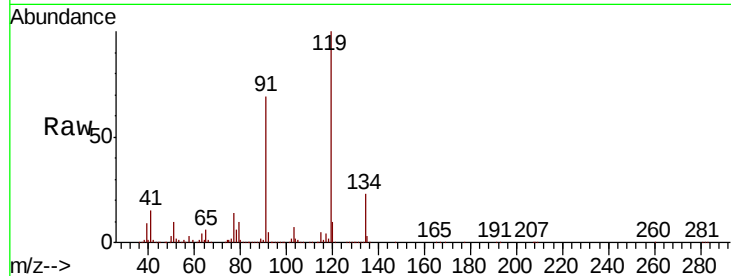




#79
tert-butylbenzene
Concen: 87.617 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

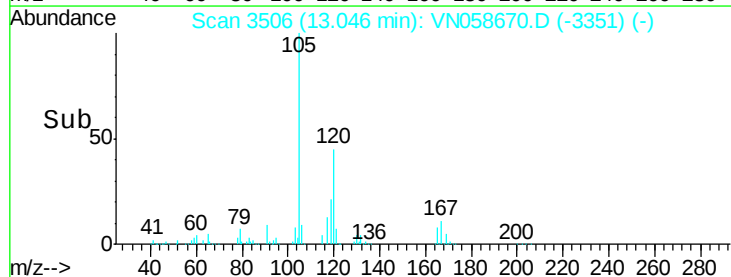
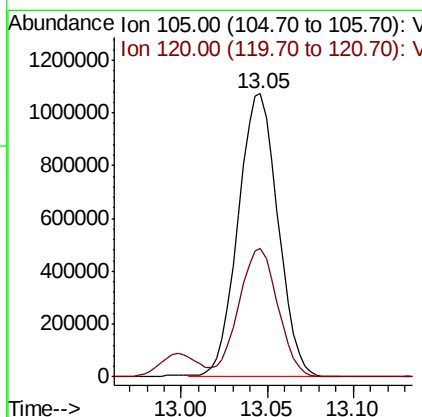
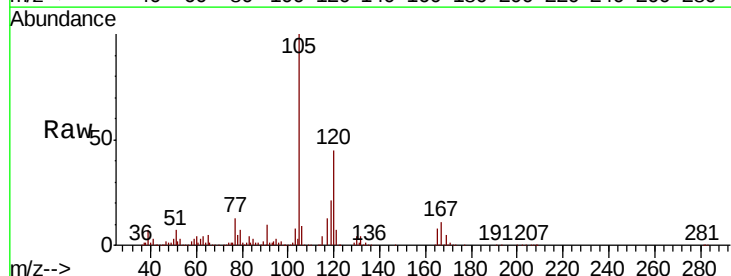
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

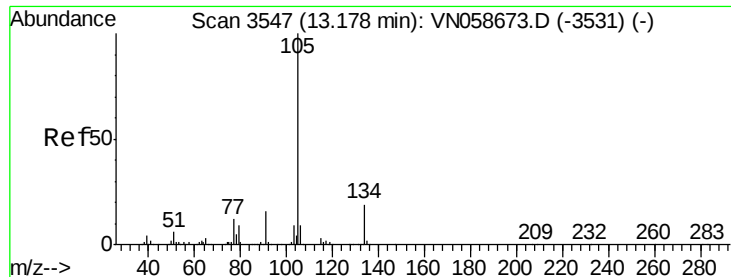
Tot Ion:119 Resp: 1462902
Ion Ratio Lower Upper
119 100
91 67.4 0.0 136.4
134 23.1 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 90.174 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion:105 Resp: 1723613
Ion Ratio Lower Upper
105 100
120 44.6 0.0 89.2





#81

sec-Butylbenzene

Concen: 91.369 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

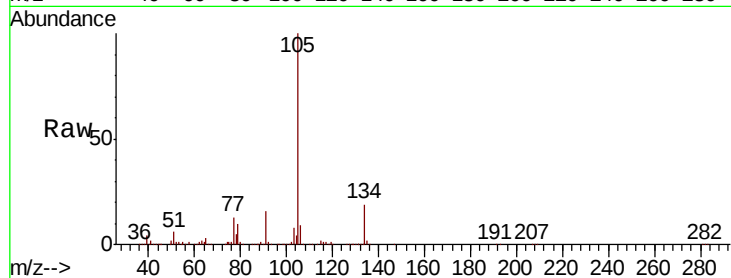
VSTDIC100

Tot Ion:105 Resp: 1991433

Ion Ratio Lower Upper

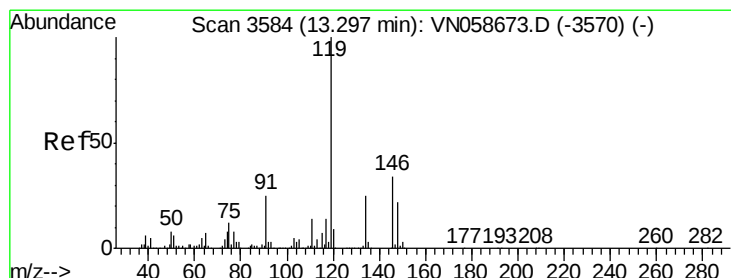
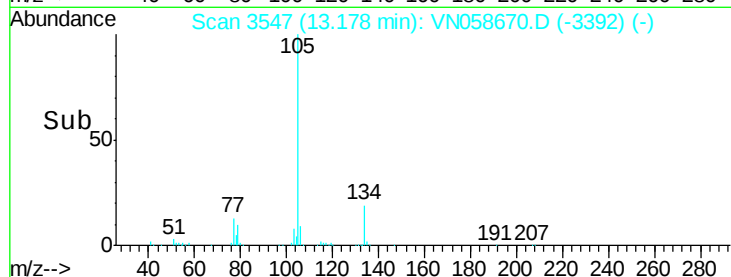
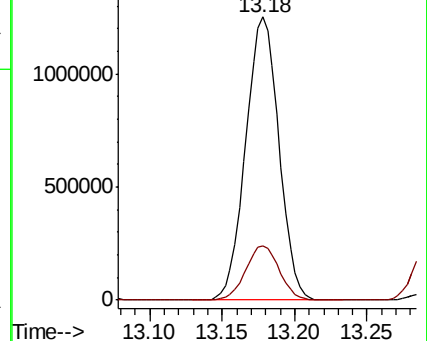
105 100

134 19.4 0.0 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 92.372 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

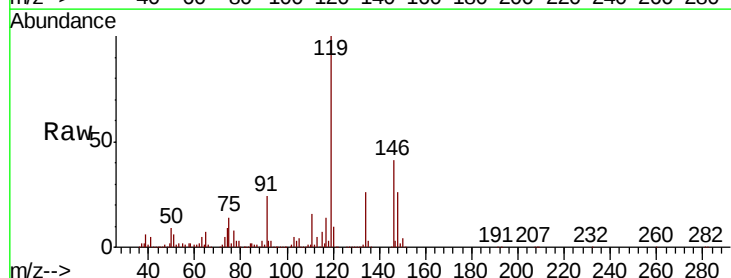
Tgt Ion:119 Resp: 1816950

Ion Ratio Lower Upper

119 100

134 25.8 0.0 50.8

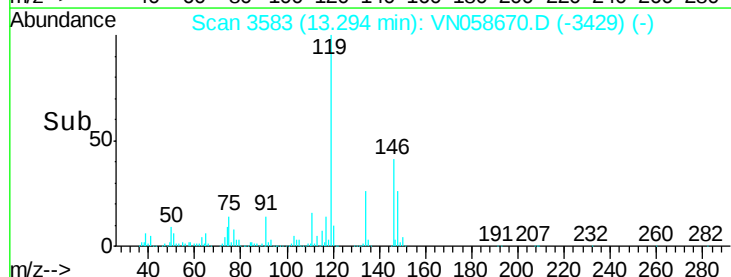
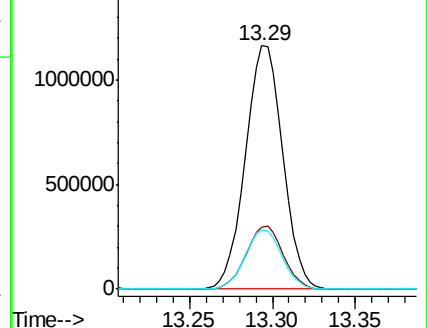
91 24.2 0.0 49.4

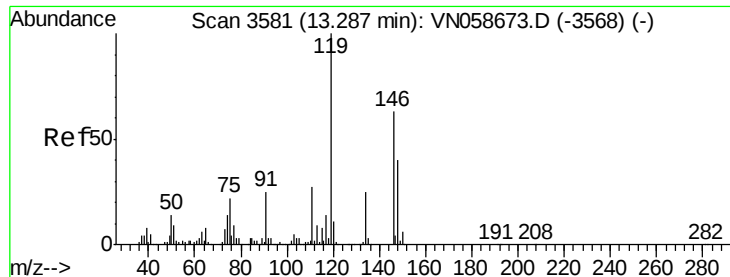


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

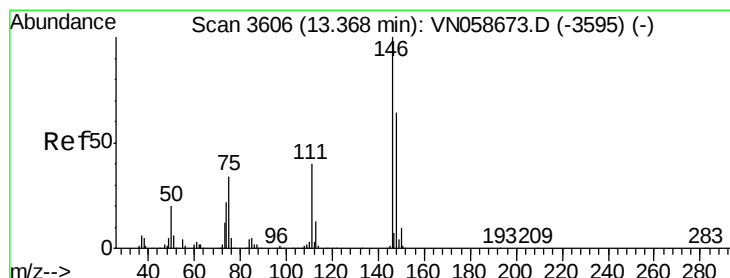
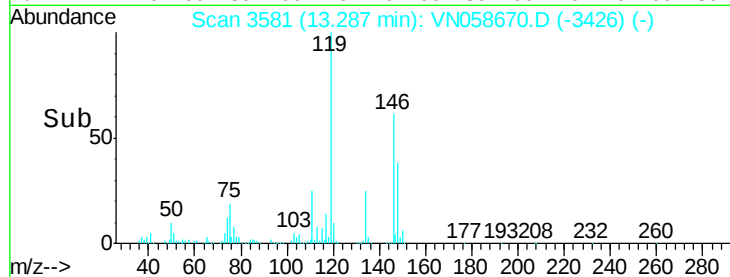
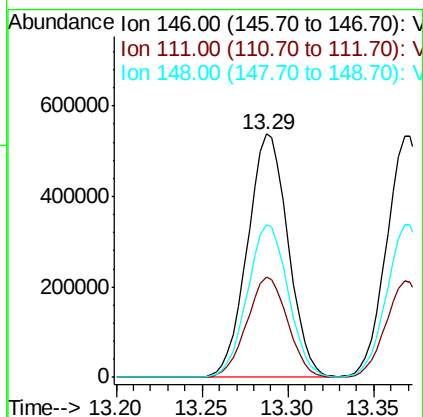
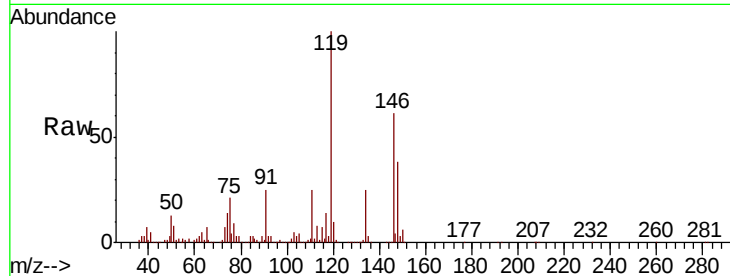




#83
 1,3-Dichlorobenzene
 Concen: 87.931 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

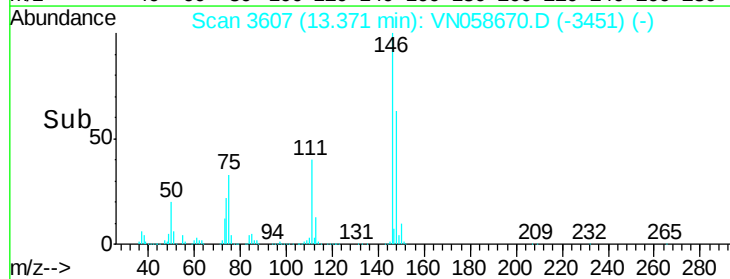
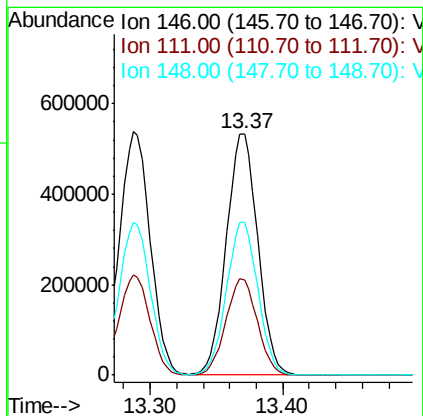
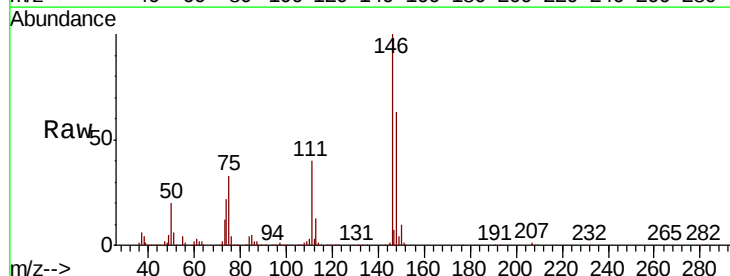
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

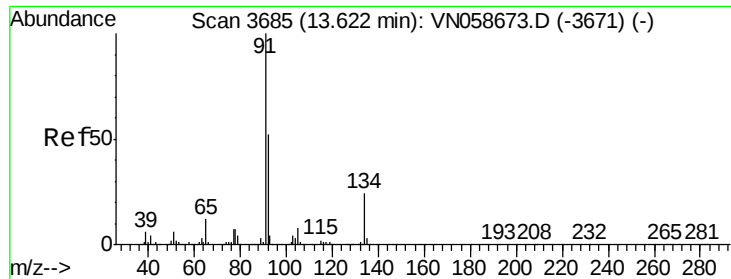
Tot Ion:146 Resp: 880586
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.0 63.0
 148 63.2 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 87.815 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Tgt Ion:146 Resp: 878483
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.8 59.4
 148 63.4 31.6 94.8

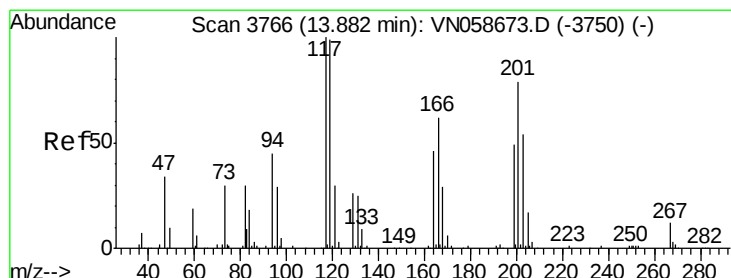
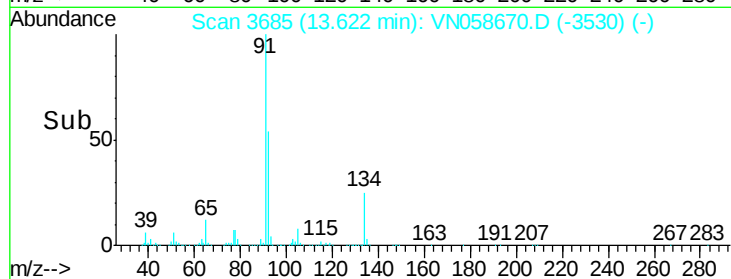
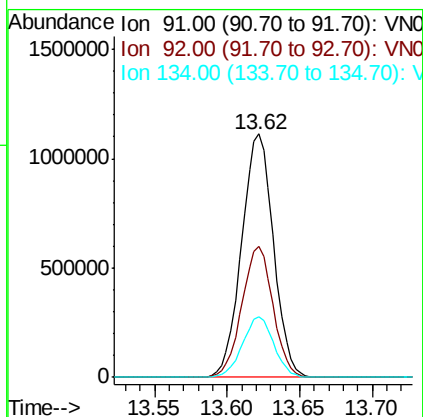
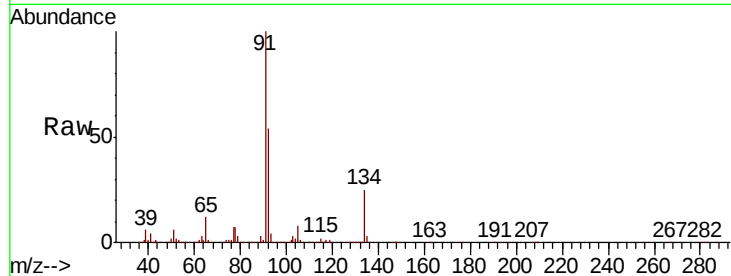




#85
n-Butylbenzene
Concen: 93.164 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

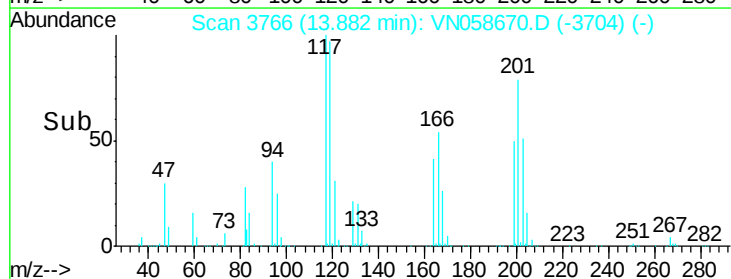
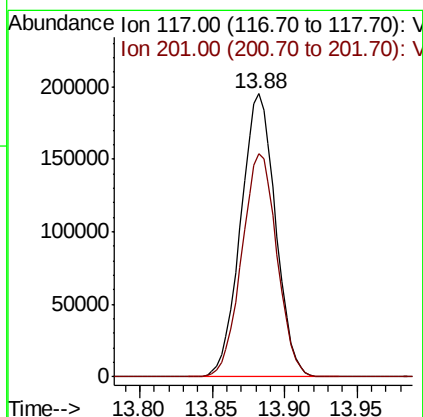
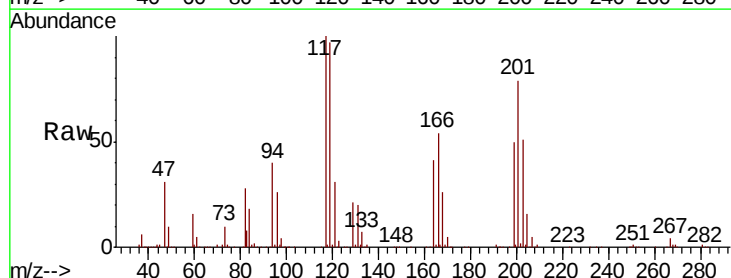
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

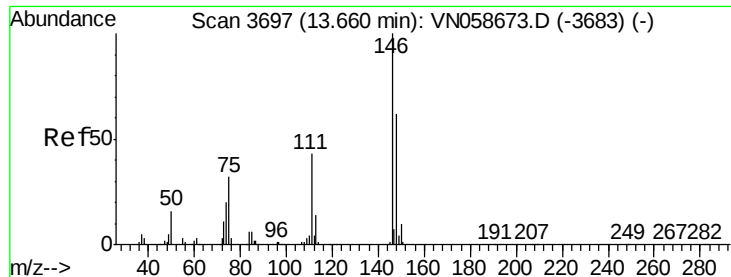
Tot Ion: 91 Resp: 1695811
Ion Ratio Lower Upper
91 100
92 52.8 0.0 102.8
134 24.6 0.0 48.6



#86
Hexachloroethane
Concen: 98.163 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058670.D
Acq: 10 Oct 2019 17:28

Tgt Ion: 117 Resp: 325114
Ion Ratio Lower Upper
117 100
201 79.9 38.7 116.1





#87

1,2-Dichlorobenzene

Concen: 88.407 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

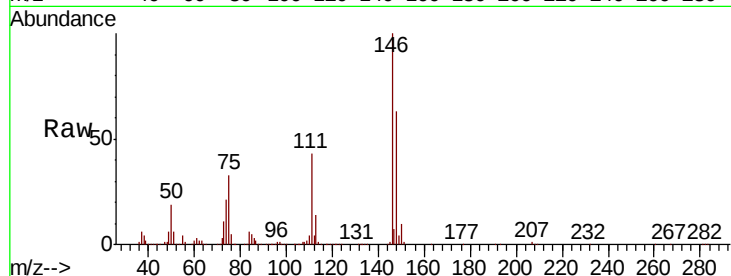
Tot Ion:146 Resp: 863888

Ion Ratio Lower Upper

146 100

111 43.1 21.8 65.4

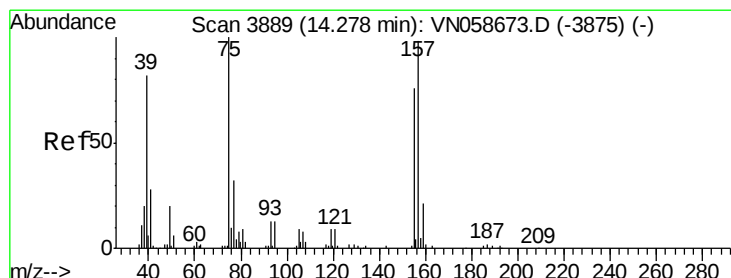
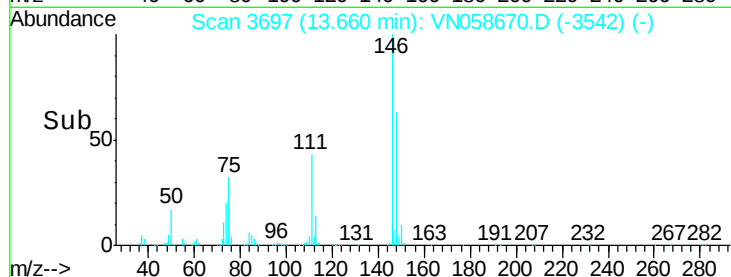
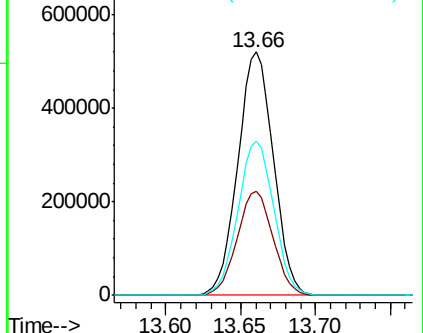
148 63.8 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 101.318 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

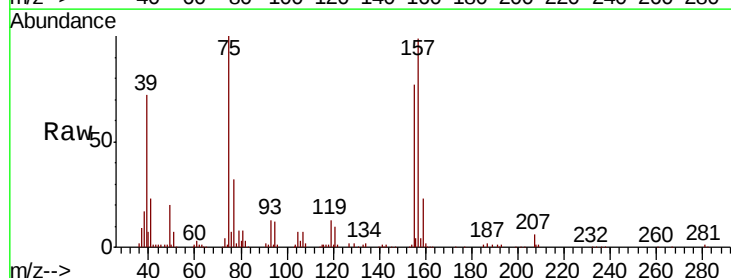
Tgt Ion: 75 Resp: 149312

Ion Ratio Lower Upper

75 100

155 76.4 58.3 87.5

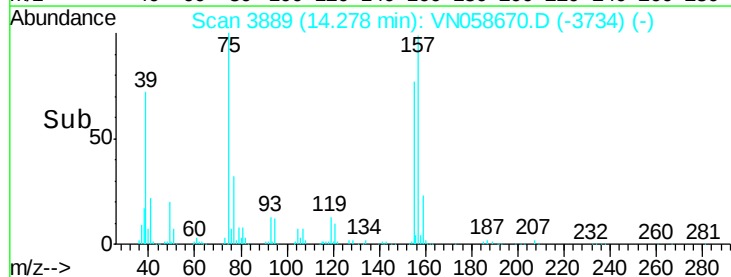
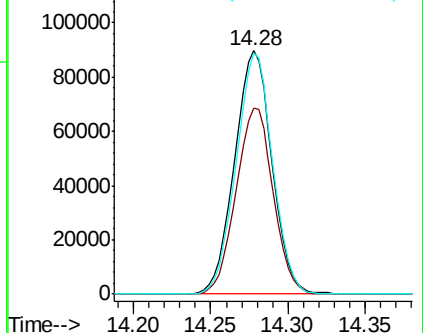
157 97.6 75.0 112.6

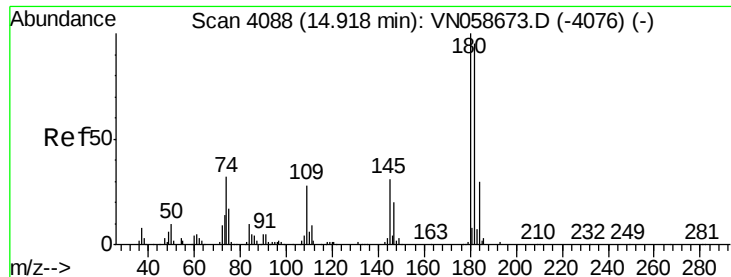


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

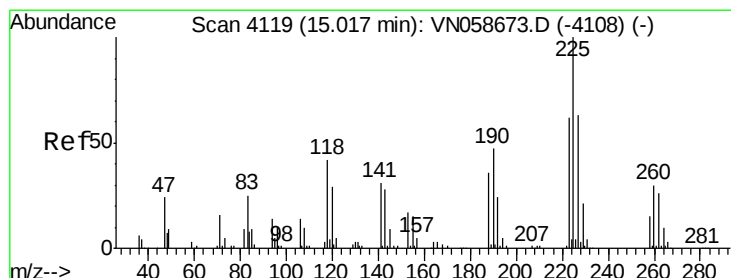
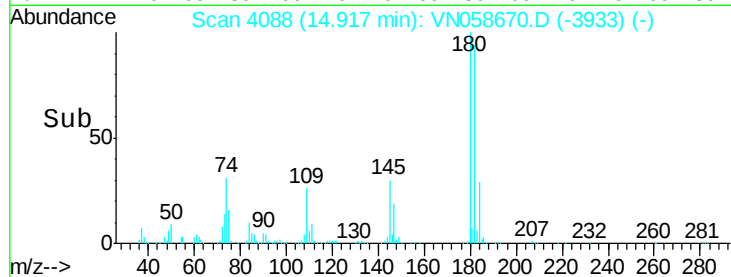
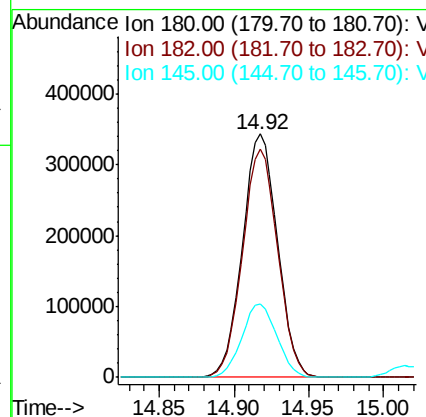
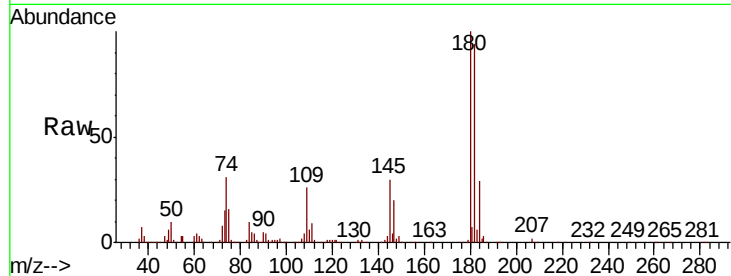




#89
 1,2,4-Trichlorobenzene
 Concen: 87.294 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

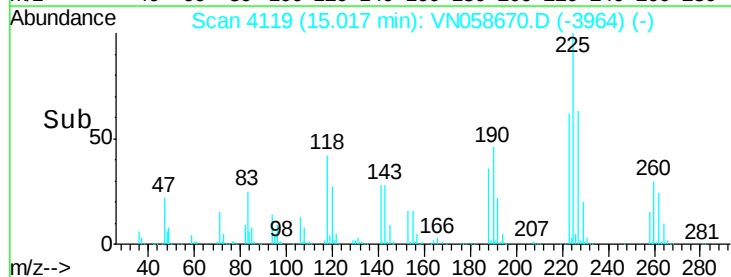
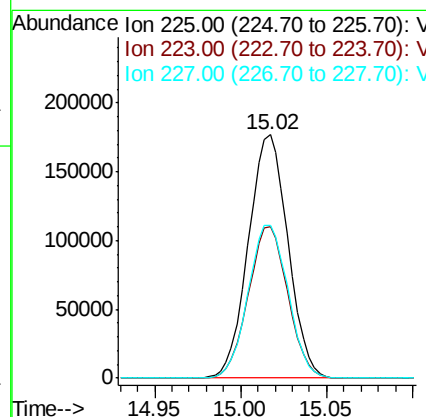
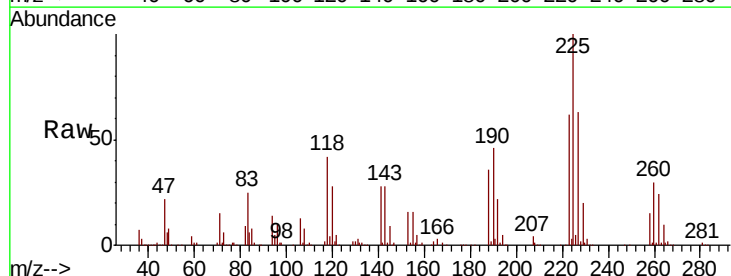
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

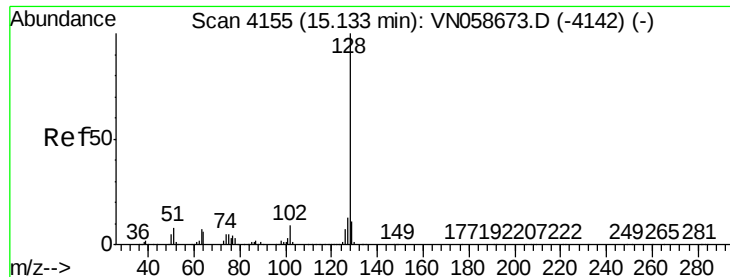
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
145	30.2	24.8	37.2



#90
 Hexachlorobutadiene
 Concen: 90.125 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058670.D
 Acq: 10 Oct 2019 17:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	126.2
227	63.5	0.0	127.0





#91

Naphthalene

Concen: 95.211 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Instrument :

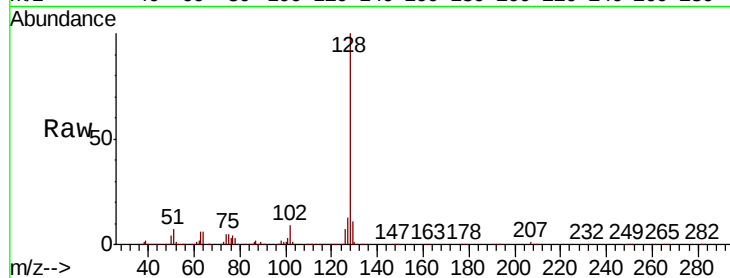
MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:128 Resp: 1701014

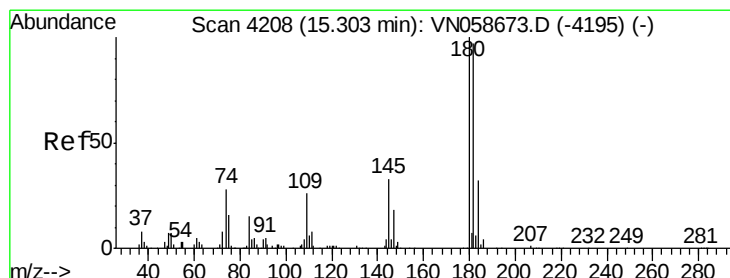
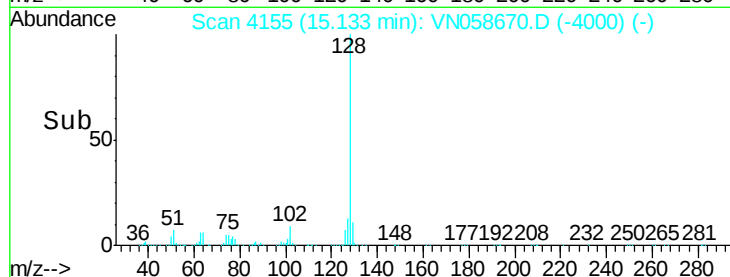
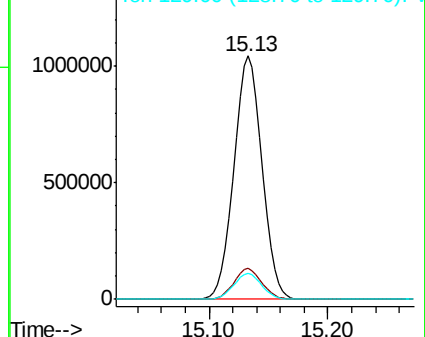
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.6	13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 87.969 ug/l

RT: 15.30 min Scan# 4207

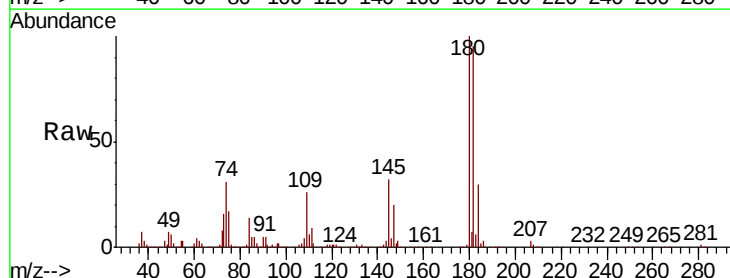
Delta R.T. -0.00 min

Lab File: VN058670.D

Acq: 10 Oct 2019 17:28

Tgt Ion:180 Resp: 544149

Ion	Ratio	Lower	Upper
180	100		
182	95.1	0.0	193.4
145	31.6	0.0	65.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

